

**Collections by the Exploratory Fishing Vessels  
Oregon, Silver Bay, Combat, and Pelican  
Made during 1956-1960  
In the southwestern North Atlantic**

By Harvey R. Bullis, Jr., and John R. Thompson

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BUREAU OF COMMERCIAL FISHERIES, Donald L. McKernan, *Director*

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By

HARVEY R. BULLIS, JR., AND JOHN R. THOMPSON

Supervisory Fishery Biologists (General)  
Bureau of Commercial Fisheries Biological Laboratory  
Pascagoula, Miss.

## INTRODUCTION

The Bureau of Commercial Fisheries has conducted fishery explorations in the tropical and subtropical waters of the western North Atlantic since 1950. Initially the work was confined to the Gulf of Mexico with a single vessel, the Oregon. In 1956 and 1957, an exploratory shrimp trawling survey was carried out on the Atlantic coast off the Southeastern States with the chartered vessels, Pelican and Combat (Bullis and Rathjen, 1959). In 1957 a medium-sized New England trawler, the Silver Bay, was chartered for 2 years of trawling and dredging work in the Gulf of Mexico (Captiva and Rivers, 1960), permitting part-time use of the Oregon on shrimp trawling surveys in the western Caribbean and as far south as the mouth of the Amazon River (Bullis and Thompson, 1959). In 1959, the Silver Bay was moved to Brunswick, Ga., to continue shrimp trawling explorations and to begin a fish trawling survey off the southeastern states. In addition to these vessels which have been used almost continuously, the Bureau's fishing gear research vessel George M. Bowers, now stationed at Panama City, Fla., has been used intermittently in exploratory fishing projects in the region.

The underlying aim of the total regional exploratory program is to inventory fishery resources in the western Atlantic south of Cape Hatteras; an integral part of the program is a gross faunal survey. Necessity for this survey was recognized shortly after start of the work in 1950, as the diversity of the species complex became apparent in hundreds of new geographical records and a rapidly expanding list of undescribed species and genera, and as our generally poor knowledge of the faunal magnitude became obvious.

The diversity of faunal collections obviously required studies by many different taxonomic specialists, which by far surpassed the capabilities of the limited staff assigned to the program. The large volume of biological

material being assembled also surpassed the capabilities of any single institution to provide all identifications and taxonomic studies needed to meet the needs of the survey. So gradually an extensive program of specimen exchange was developed with any and all interested taxonomists dealing with western Atlantic marine biota. Basic and representative collections were deposited in the U.S. National Museum. General collections of duplicate material also have been transferred to many of the major institutional collections throughout the United States. Over the years, the list of cooperators has reached about one hundred systematic zoologists and botanists from many biological institutions. All told, some 75,000 verified identifications have been received from the distribution of an estimated two million specimens.

A resume of the identifications made on board ship and received from collaborators covering the work of the Oregon during 1950-55 was published in 1956 (Springer and Bullis) as Fish and Wildlife Service Special Scientific Report--Fisheries, No. 196. The basic intent of that paper was to serve as liaison among the scientists working on the collections of fishes, crustaceans, and mollusks, and a small edition of 1,200 copies was printed. The supply was quickly exhausted, and within a few years the report was out of print. Because SSR-F No. 196 contained a wealth of new distributional records, including those for new species that had been described from Oregon collections in diverse journals, it was used extensively as a quick summary reference by most taxonomists and ecologists dealing with the offshore marine fauna of the region. We have since received innumerable requests for a similar presentation of identifications and locality records that were submitted subsequent to the publication of SSR-F No. 196, and for summaries of the determinations that have been made from the collections of the exploratory work conducted since 1955.



From the start of the program in 1950 through 1960 the exploratory fishing vessels completed the following units of field work: R/V Oregon, 72 cruises and 3,174 fishing stations; R/V Silver Bay, 27 cruises and 2,584 fishing stations; R/V Combat, 10 cruises and 530 fishing stations; and R/V Pelican, 3 cruises and 79 fishing stations. The specific cruise objectives varied from general trawl and dredge reconnaissances of unknown and unexplored areas to detailed commercial evaluations of shrimp, snapper, grouper, tuna, scallops, clams, sardine-like schooling fishes, other foodfish species, and industrial or scrap fish.

To accomplish these objectives a wide variety of gear was used, principally commercial type fishing equipment. Commonly used were shrimp trawls (Bullis, 1951), fish trawls (Captiva and Rivers, 1960), midwater trawls (Thompson, 1959; Bullis, 1960), scallop and clam dredges (Bullis and Cummins, 1961; Cummins, Rivers, and Struhsaker, 1962), seines and lampara nets (Butler, 1961), longlines (Bullis, 1955; Captiva, 1955; Wathne, 1959), and handlines. Also, a large volume of material was collected at night-light dip-netting stations and lesser quantities at rotenone stations on isolated reefs in the southern Gulf of Mexico and in the western Caribbean.

The 40-foot shrimp trawl was used as a standard gear for bottom exploration. This trawl was fished with 5-, 6-, and 7-foot doors using a single warp and bridle. Generally a tickler chain was attached. Mesh size in the trawl body was 2-inch stretched, and the codend was 1-3/4-inch stretched mesh of 42-thread cotton. Frequently 1/4-inch stretched mesh was used to line the codend. Underwater observations of the trawl reveal that it spreads to cover an optimum path some 25 feet wide, at speeds of 2 to 3 knots (Bullis and Cummins, 1963). Door sizes and changes in speed alter the opening width within a range of  $\pm 20$  percent. Looped chain on the footrope and one to three sponge floats on the headrope were used in conformity with industry practices.

Advantages of using the 40-foot shrimp trawl include dependability of performance, ease of construction and repair, and reasonable cost (less than \$100 for materials). Early comparisons with industry try-nets (12- to 18-foot stretched spread) and the larger commercial trawls (65- to 120-foot stretched spread openings) indicate that the 40-foot size was minimum for obtaining a representative sample of the species on shrimp grounds and a reliable estimate of their densities. This type of net, however, is obviously selective, and gross faunal evaluations based on shrimp trawl catches alone can be quite misleading. The larger and more active species of fish and the sedentary or partially burrowed invertebrates are usually not caught or are taken only

rarely. Therefore, 5- to 8-foot scallop dredges and 55- to 65-foot New England-style fish trawls were also used in general reconnaissance surveys.

The pattern of exploratory fishing stations differs markedly from patterns dependent on the use of preplanned grid stations. In general terms, an exploratory survey of an area is initially undertaken as a series of trawl and dredge drags that cover a preselected depth range. Trawling transects on the Continental Shelf are designed to include one or more drags at every 5-fathom depth interval. Only rarely can this be accomplished owing to frequent trawling interruptions caused by rock and coral bottoms that preclude all types of normal trawling. Preliminary reconnaissance on the Continental Slope involved drags at intervals of 10 to 25 fathoms out to the 300-fathom contour. From 300 to 500 fathoms, trawling stations are made at 50-fathom intervals, and when lower shelf coverage is scheduled, 100-fathom intervals are fished. To date, only a limited amount of trawling has been conducted at depths greater than 1,000 fathoms. The maximum depth we have fished during explorations with a trawl is 2,080 fathoms. As in shallow water transecting, the pattern on the slope is frequently interrupted, chiefly owing to sudden changes in slope configuration. Trawling on slope angles greater than 45° has been uniformly unproductive of large biological samples.

In addition to depth coverage, every effort is made to sample all trawlable bottom types within each depth stratum. Good samples can be obtained on mud, sand, and shell and gravel. On sponge and alcyonarian bottom the trawl generally becomes overloaded, making analysis of samples obtained from these bottoms difficult. Bottom temperature transects are made in an effort to trawl through the various temperature strata. Finally, exploratory coverage of the bottom is designed also to examine the distribution and density of bottom organisms in relation to temperature.

When plotted on a cruise chart, the patterns emerging from the explorations may tend to indicate a rather haphazard fishing station plan. Indications are, however, that the organisms of interest in the studies tend to orient themselves to bottom type, water temperature, and depth much more closely than to any arbitrary grid system that can be laid out neatly on a chart.

A major goal of this program is a 4-season coverage of all Continental Shelf and Slope areas from Cape Hatteras to eastern Brazil. We believe that the resulting data should show distributional patterns of bottom fauna. To facilitate this study, the total backlog of species distributional data has been transferred to automatic data processing cards, and preliminary faunal summaries are now being prepared.



The species list is not complete, for questionable identifications have not been included. All station records of field identifications have been carefully reviewed, and only those considered highly reliable are included. Also, certain species have been fished extensively in restricted localities, and a complete listing of a number of these, such as the royal-red shrimp (*Hymenopenaeus robustus*) and the calico scallop (*Aequipecten gibbus*), would require useless repetition. A number of excessive repetitive records have been omitted. An effort has been made to present all horizontal, vertical, and seasonal distribution records of identified animals.

In this report, as was the case with SSR-F No. 196, many field identifications are combined with identifications received from cooperators and colleagues. In the earlier report many taxonomic discrepancies were apparent because the authors attempted to draw a compromise from differing opinions. In the present report, we hope that valuable counsel from many specialists has enabled us to eliminate many of these errors. This counsel, however, has not removed certain problems that require taxonomic compromise. We, therefore, accept complete responsibility for what may seem to be occasional, unwarranted departures from names that have been generously contributed by our many colleagues.

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# LIST OF CRUSTACEANS

## BOPYRIDAE

### Bopyrina sp.

Oregon Station 1711

## CIROLANIDAE

### Bathynomus giganteus A. Milne-Edwards

<u>Oregon</u> Station	1445	1451	1452	1538	1540
	1541	1542	1547	1550	1564
	1567	1577	1883	1906	1911
	1917	1918	1919	1920	1921
	1922	1923	1924	1926	1927
	1928	1929	1930	1931	1932
	1933	1942	1943	1944	1945
	1946	1947	1948	1949	1951
	1953	1954	2008	2009	2025
	2082				

Silver Bay Station 1182

Combat Station 444 450

### Cirolana sp.

Silver Bay Station 60

## EXOCORALLANIDAE

### Exocorallana sp.

Silver Bay Station 71

## IANIRIDAE

### Ianira sp.

Oregon Station 2091

Combat Station 370

## MYSIDAE

### Mysidium integrum Tattersall

Silver Bay Station 71

### Mysidopsis bigelowi Tattersall ?

Silver Bay Station 67

## STENETRIIDAE

### Stenetrium sp.

Silver Bay Station 60

## ARCTURIDAE

### Astacilla sp.

Oregon Station 2091

## CYMOTHOIDAE

### Lironeca sp.

Oregon Station 2076

## SPHAEROMIDAE

### Exosphaeroma antillense ?Richardson

Oregon Station 2091

## ACANTHONOTOZOMATIDAE

### Iphimedia sp.

Oregon Station 2091

## AMPITHOIDAE

### Ampithoe ramondi (Audouin)

Oregon Station 2091

## AMPHILOCHIDAE

### Gitanopsis sp.

Oregon Station 2091

## COROPHIIDAE

### Ericthonius brasiliensis (Dana)

Oregon Station 2091

## METOPIDAE

### Metopella sp.

Oregon Station 2091

## PHYRONIDAE

### Phronima sedentaria (Forsk.)

Oregon Station 1370

## PHROSINIDAE

### Phrosina semilunata Risse

Oregon Station 1370

## PLATYSCELIDAE

### Hemityphis rapax (A. Milne-Edwards)

Oregon Station 1372

### Platyscelus ovoides Claus

Oregon Station 1370

## PODOCERIDAE

### Dulichia sp.

Oregon Station 2091

## PRONOIDAE

### Parapronoe crustulum Claus

Oregon Station 1370

### Sympronoe parva (Claus)

Oregon Station 1372

## STENOTHOIDAE

### Stenothoe sp.

Oregon Station 1875

### Stenothoe gallensis Walker

Oregon Station 2091

## PENAEIDAE

Aristaeus antillensis Bouvier

<u>Oregon</u> Station	1427	1565
<u>Combat</u> Station	171	446

Aristaeomorpha foliacea (Risso)

<u>Oregon</u> Station	1406	1506	1567
<u>Silver Bay</u> Station	442	2421	
<u>Combat</u> Station	444	446	447
	449	450	

Benthescymus bartletti Smith

<u>Oregon</u> Station	3218	
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Hymenopenaeus debilis Smith

<u>Combat</u> Station	452	
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Hymenopenaeus modestus Smith

<u>Combat</u> Station	171	177	226
	237	442	446
	453		

Hymenopenaeus robustus Smith

<u>Oregon</u> Station	1441	1442	1443
	1444	1445	1446
	1447	1448	1449
	1450	1451	1452
	1453	1454	1455
	1456	1458	1460
	1461	1462	1463
	1464	1465	1466
	1467	1502	1505
	1506	1507	1508
	1509	1516	1517
	1518	1519	1521
	1524	1525	1526
	1527	1528	1529
	1530	1538	1539
	1540	1541	1542
	1543	1544	1545
	1546	1547	1548
	1549	1550	1551
	1556	1557	1561
	1562	1563	1564
	1565	1566	1567
	1568	1569	1570
	1571	1572	1573
	1574	1575	1576
	1577	1578	1579
	1580	1581	1871
	1872	1885	1886
	1887	1908	1910
	1914	1915	1917
	1918	1919	1920
	1921	1922	1923
	1924	1925	1926
	1927	1928	1929
	1930	1931	1932
	1933	1942	1943
	1944	1945	1946
	1947	1948	1949
	1950	1951	1952
	1953	1954	1962
	1963	1964	1965
	1966	1967	1968
	1969	1970	1971
	1972	1981	1984
	1991	2669	2671
	2672	2673	2674
	2772	2774	2775
	2776	2777	2779
	2780	2782	2825
	3169	3171	

<u>Silver Bay</u> Station	211	212	213
	214	216	217
	218	219	220
	221	223	224
	225	227	228
	229	230	231
	232	234	235
	236	237	249
	250	317	318
	449	450	454
	457	463	467
	468	469	470
	486	1177	1178
	1179	1180	1181
	1185	1189	1190
	1191	1192	1193
	1194	1198	1199
	1203	1551	1552
	1604	1606	1606
	1607	1608	1609
	1610	1611	1612
	1616	1617	1618
	1619	2040	2062

PENAEIDAE  
(contd.)

2063	2064	2065
2066	2067	2068
2069	2070	2073
2074	2075	2076
2421	2458	

<u>Combat</u> Station	1	2	3
	4	7	8
	9	11	12
	13	14	16
	17	18	19
	22	23	24
	25	26	27
	28	29	30
	31	32	33
	34	35	36
	38	39	40
	41	83	84
	85	86	87
	103	104	106
	140	171	185
	186	187	190
	191	192	193
	194	195	196
	197	198	205
	206	207	208
	209	210	211
	212	213	214
	215	225	226
	228	256	269
	271	279	300
	315	317	318
	332	361	362
	410	413	414
	420	421	430
	431	436	438
	439	441	444
	453	459	460
	471	493	494

<u>Pelican</u> Station	9	10	11
	13	17	18
	20	25	26
	27	28	34
	38	48	49
	51	53	54
	56	57	65
	66	70	71
	76	77	79

Hymenopenaeus tropicalis (Bouvier)

<u>Combat</u> Station	101	396	491
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Parapenaeus americanus Rathbun

<u>Oregon</u> Station	1520	1345	1881
<u>Combat</u> Station	237	238	446
	447	448	

Parapenaeus longirostris (Lucas)

<u>Oregon</u> Station	273	1421	1514
	1877	1881	2203

<u>Combat</u> Station	445	491	
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Penaeopsis goodiei Smith

<u>Oregon</u> Station	2249		
<u>Silver Bay</u> Station	53	54	
<u>Combat</u> Station	119	167	428
	497		

George M. Bowers  
Station

<u>Penaeopsis megalops</u> (Smith)			
<u>Oregon</u> Station	1463	1464	1502
	1504	1509	1516
	1517	1524	1526
	1527	1537	1542
	1543	1547	1548
	1562	1563	1564
	1567	1568	1569
	1570	1573	1577
	1578	1871	1887
	1910	1911	1914
	1923	1925	1928
	1929	1931	1942
	1943	1949	1952
	1961	1962	1963
	1964	1965	1968
	1969	1970	1971
	1972	1981	2004
	2007	2008	2009
	2669	2670	2671
	2672	2673	2674
	2774	2775	2776

PENAEIDAE  
(contd.)

	2777	2780	2781
	2782	3171	3173
<u>Silver Bay Station</u>	211	216	227
	232	317	442
	470	1192	1193
	1198	2449	2458
<u>Combat Station</u>	1	18	174
	178	179	186
	188	279	300
	308	310	358
	359	410	419
	420	422	433
	436	438	439
	441	446	448
	467	470	474
	475	476	484
<u>Pelican Station</u>	9	10	11
	20	25	26
	27	72	74
<u>Penaeopsis (metapenaeopsis) smithi</u> Schmitt			
<u>Oregon Station</u>	1848		
<u>Penaeus aztecus</u> Ives			
<u>Oregon Station</u>	1494	1495	1496
	1497	1498	1499
	1500	1531	1532
	1533	1534	1535
	1536	1627	1630
	1631	1651	1652
	1660	1661	1671
	1745	1749	1754
	1759	1760	1761
	1762	1763	1766
	1767	1770	1771
	1775	1776	1777
	1781	1786	2111
	2462	2463	2476
	2492	2504	2514
	2517	2518	2524
	2527	2532	2533
	2552	2553	2554
	2691	2694	2698
	2699	2700	2701
	2702	2704	2705
	2706	2707	2708
	2709	2740	2742
	2748	2852	2854
	2855	2856	2859
	2860	2861	2862
	2866	2867	2869
	2872	2873	2874
	2875	2876	2877
	2878	2879	2880
	2881	2883	2884
	2885	2886	2889
	2895	2896	2897
	2898	2899	2902
	2903	2905	2907
	2908	2909	2910
	2912	2914	2915
	2928	2930	2935
	2937	2939	2940
	2960	2976	2977
	2979	2984	2985
	2986	2987	2988
	2989	2990	2996
	2998	2999	3000
	3002	3003	3007
	3008	3009	3010
	3011	3013	3014
	3015	3017	3018
	3019	3020	3021
	3022	3033	3041
	3042	3043	3044
	3046	3053	3066
	3078	3095	3109
	3114	3124	3149
	3174		
<u>Silver Bay Station</u>	3	5	6
	8	12	59
	88	158	163
	165	166	167
	168	169	170
	178	180	181
	182	184	187
	190	194	203
	207	239	241
	242	243	244
	245	258	260
	262	263	265
	267	274	281
	300	312	679
	680	681	682
	799	800	803
	816	1120	1121
	1212	1213	1226

PENAEIDAE  
(contd.)

	1227	1262	1268
	1284	1285	1286
	1287	1298	1289
	1290	1313	1351
	1529	2165	2393
	2400	2402	2407
	2408	2409	2498
<u>Combat Station</u>	94		
<u>Pelican Station</u>	3		
<u>Penaeus brasiliensis</u> Latreille			
<u>Oregon Station</u>	2249		
<u>Combat Station</u>	397		
<u>Penaeus duorarum</u> Burkenroad			
<u>Oregon Station</u>	1554	1600	1627
	1673	1674	1678
	1685	1688	2397
	2445	2448	2472
	2499	2903	2915
	3007	3033	
<u>Silver Bay Station</u>	59	60	66
	67	73	84
	88	118	132
	134	139	143
	146	149	152
	153	163	365
	401	498	504
	509	543	567
	576	577	579
	580	583	587
	595	609	620
	624	638	647
	672	676	718
	847	848	849
	864	914	940
	1286	1287	1288
	1290	1299	1313
	1345	1351	1410
	1485	1486	1487
	1528	1553	2165
	2213	2214	2223
	2224	2225	2226
	2242	2288	2354
	2357	2358	2376
	2377	2378	2388
	2393	2400	2404
	2405	2407	2410
	2411	2412	2413
	2438	2439	2440
	2441	2464	2494
	2499	2502	
<u>Combat Station</u>	333	334	335
	344	345	377
<u>Pelican Station</u>	3	8	32
<u>Penaeus setiferus</u> Linnaeus			
<u>Oregon Station</u>	1495	1751	1784
	2093	2123	2125
	2193	2375	2461
	2469	2495	2496
	2499	2501	2502
	2503	2504	2561
	2562	2563	2867
	2869	2878	2879
	2880	2884	2902
	2905	2914	2915
	2969	2971	2972
	2973	2974	2975
	2976	2991	2993
	2994	2995	3004
	3006	3017	3095
	3149		
<u>Silver Bay Station</u>	165	166	167
	168	170	240
	241	242	243
	244	245	246
	365	1286	1287
	1357	1726	
<u>Pelican Station</u>	1	2	3
<u>Plesiopenaeus edwardsianus</u> (Johnson)			
<u>Oregon Station</u>	1871	1872	1907
	1915	1916	1917
	1919	1922	1927
	1928	1929	1930
	1931	1932	1933
	1944	1945	1946
	1947	1948	1952
	1953	1954	2010
	2011		

PENAEIDAE (contd.)	<u>Silver Bay Station</u>	452	1181	1182
		1194	1195	1196
		2421		
	<u>Sicyonia</u> sp.			
	• <u>Oregon Station</u>	2249		
	<u>Sicyonia brevirostris</u> Stimpson			
	<u>Oregon Station</u>	1497	1553	1631
		1651	1734	1755
		2859	2862	2872
		2960	2961	2979
		3027	3039	3046
		3066	3124	3174
	<u>Silver Bay Station</u>	88	189	258
		281	573	577
		579	580	595
		636	638	641
		647	651	654
		660	664	667
		668	712	718
		915	916	940
		1208	1211	1212
		1213	1219	1220
		1227	1235	1238
		1248	1268	1289
		1294	1299	1313
		1345	1393	1484
		1485	1528	1537
		1654	1742	1947
		1948	2388	2389
		2407	2436	2494
		2504	2511	2522
		2524	2525	
	<u>Combat Station</u>	64	65	73
		119	158	333
		334	335	337
		338	341	347
		348	374	377
		379	393	394
		395	396	397
		400	406	407
		424	428	455
		496	497	498
		505	507	514
		530		
	<u>Pelican Station</u>	7	8	32
		33		
	<u>George M. Bowers Station</u>	37		
	<u>Sicyonia stimpsoni</u> Bouvier			
	<u>Oregon Station</u>	2249		
	<u>Silver Bay Station</u>	2382	2388	2389
	<u>Sicyonia typica</u> (Roeck)			
	<u>Oregon Station</u>	2249		
	<u>Solenocera atlantis</u> Burkenroad			
	<u>Oregon Station</u>	1553	2249	
	<u>Combat Station</u>	119	167	396
		397		
	<u>Solenocera necopina</u> Burkenroad			
	<u>Oregon Station</u>	273		
	<u>Combat Station</u>	177	445	446
		475	491	493
	<u>Solenocera viosae</u> Burkenroad			
	<u>Oregon Station</u>	1421	1495	1558
		2203		
	<u>Combat Station</u>	445		
	<u>Trachypeneus (trachysalambria) constrictus</u> (Stimpson)			
	<u>Oregon Station</u>	2127	2249	
	<u>Silver Bay Station</u>	1518	1528	2578
	<u>Combat Station</u>	202		
	<u>George M. Bowers Station</u>	37		
SERGESTIDAE	<u>Lucifer faxoni</u> Borradaile			
	<u>Combat Station</u>	396		

SERGESTIDAE (contd.)	<u>Lucifer typus</u> Edwards			
	<u>Oregon Station</u>	1336		
PASIPHAEDIDAE	<u>Leptochela bermudensis</u> Gurney ?			
	<u>Oregon Station</u>	1848		
	<u>Leptochela</u> sp. nov.			
	<u>Silver Bay</u>	at anchorage, Cay Area:		
	<u>Pasiphaea merriami</u> Schmitt			
	<u>Oregon Station</u>	1942	2007	
	<u>Combat Station</u>	444		
	<u>Pasiphaea</u> sp.			
	<u>Oregon Station</u>	2009		
OPLOPHORIDAE	<u>Acanthephyra acutifrons</u> Bate			
	<u>Oregon Station</u>	2199		
	<u>Acanthephyra armata</u> A. Milne-Edwards			
	<u>Oregon Station</u>	1911	1955	2011
		2399	2637	2640
		3218		
	<u>Acanthephyra eximia</u> Smith			
	<u>Oregon Station</u>	2577		
	<u>Ephyrina hoskynii</u> Wood-Mason			
	<u>Oregon Station</u>	2200		
	<u>Oplophorus gracillirostris</u> A. Milne-Edwards			
	<u>Oregon Station</u>	1302	1949	1953
		2007	2009	2011
		2191	2200	2201
		2353	2396	
	<u>Oplophorus spinicauda</u> A. Milne-Edwards			
	<u>Oregon Station</u>	2191		
	<u>Systellaspis affinis</u> (Faxon)			
	<u>Oregon Station</u>	1406	1407	1427
		1506	1565	1568
		1903	1916	1942
		1951	1952	1965
		1982	2201	2396
		2773	2825	
	<u>Combat Station</u>	449		
	<u>Systellaspis debilis</u> (A. Milne-Edwards)			
	<u>Oregon Station</u>	2191	2199	2201
NEMATOCARCINIDAE	<u>Nematocarcinus cursor</u> A. Milne-Edwards			
	<u>Oregon Station</u>	1563	1890	1902
		1908	1909	1911
		1915	1923	1925
		2011	2202	2209
		2637	2813	2819
		2824	3218	
	<u>Silver Bay Station</u>	2421	2460	2484
	<u>Pelican Station</u>	13		
EUCONATONOTIDAE	<u>Eucratonotus crassus</u> (A. Milne-Edwards)			
	<u>Oregon Station</u>	1342	1343	1539
		1543	1556	1872
		1886	2286	
	<u>Silver Bay Station</u>	2416	2418	2458
		2460	2469	2479
		2482	2483	
	<u>Combat Station</u>	263	445	450
PALAEONIDAE	<u>Brachycarpus biunguiculatus</u> (Lucas)			
	<u>Oregon Station</u>	1848		
	<u>Neopontonidea</u> sp.			
	<u>Oregon Station</u>	1635		
	<u>Palaeonetes (Palaeonetes) pugio</u> Holthuis			
		Bureau of Commercial Dock		
		Pascagoula River, Pascagoula		

PALAEMONIDAE (contd.)	<u>Palaemon (Nematopalaemon) schmitti</u> Holthuis				PANDALIDAE (contd.)		1871	1872	1879
	<u>Oregon Station</u>	2056					1863	1865	1920
							1924	1962	2351
							2606	2772	
	<u>Periclimenes</u> sp. ?				<u>Silver Bay Station</u>	1190	1191	1198	
	<u>Combat Station</u>	72			<u>Combat Station</u>	176	177	178	
	<u>Periclimenes (Harpilius) americanus</u> (Kingsley) ?					271	274	275	
	<u>Combat Station</u>	72				360			
	<u>Periclimenes (Periclimenes) iridescens</u> Lebour				<u>Plesionika macropoda</u> Chace				
	<u>Silver Bay Station</u>	71			<u>Oregon Station</u>	2772			
	<u>Pontonia margarita</u> Smith				<u>Plesionika martia</u> (A. Milne-Edwards)				
	<u>Oregon Station</u>	1711			<u>Oregon Station</u>	2824			
	<u>Typton prionurus</u> Holthuis ?				<u>Silver Bay Station</u>	2483			
	<u>Oregon Station</u>	2078	2079		<u>Combat Station</u>	360			
PSALIDOPODIDAE	<u>Psalidopus barbouri</u> Chace				GLYPHOCRANGONIDAE	<u>Glyphocrangon longirostris</u> (Smith)			
	<u>Oregon Station</u>	1909	1911	1919		<u>Oregon Station</u>	1502	1908	2010
		1920	1921	1929		<u>Glyphocrangon aculeata</u> A. Milne-Edwards			
		1931	1933	1949		<u>Oregon Station</u>	534		
		1952	2011	2637		<u>Glyphocrangon alispina</u> Chace			
	<u>Silver Bay Station</u>	2421				<u>Oregon Station</u>	1909	1911	3218
ALPHEIDAE	<u>Alpheus formosus</u> Gibbs					<u>Glyphocrangon (Glyphocrangon) longleyi</u> Schmitt			
	<u>George M. Bowers Station</u>	37				<u>Oregon Station</u>	1334	1537	1539
	<u>Synalpheus apiocerca</u> Coutière ?						1540		
	<u>Oregon Station</u>	2078	2079			<u>Combat Station</u>	32	84	186
	<u>Synalpheus minus</u> (Say)						193	329	441
	<u>Silver Bay Station</u>	53	54	71			444	449	
	<u>Synalpheus townsendi</u> Coutière					<u>Pelican Station</u>	1718		
	<u>Oregon Station</u>	1674	1719			<u>Glyphocrangon neglecta</u> Faxon			
	<u>Silver Bay Station</u>	42	44			<u>Oregon Station</u>	1885	2353	
	<u>Combat Station</u>	455				<u>Glyphocrangon (Glyphocrangon) spinicauda</u> (Smith)			
PROCESSIDAE	<u>Processa</u> sp.					<u>Oregon Station</u>	1324	1885	1908
	<u>Oregon Station</u>	2249					1915	1916	1919
PANDALIDAE	<u>Heterocarpus ensifer</u> A. Milne-Edwards					<u>Combat Station</u>	120	445	447
	<u>Oregon Station</u>	546	1323	1537			450		
		1539	1543	1556		<u>Pelican Station</u>	54		
		1870	1872	1885	CRANGONIDAE	<u>Pontocaris (Aegon) caribbaeus</u> (Boone)			
		1918	1923	1928		<u>Oregon Station</u>	1344	1871	1872
		2005	2007	2080			1881	1923	1942
		2081	2082	2606			1949		
	<u>Silver Bay Station</u>	2458	2460	2469		<u>Combat Station</u>	235		
		2475	2479	2483		<u>Hippolytidae</u>			
	<u>Combat Station</u>	112	186	446		<u>Hippolytina (Hippolytina) sp.</u>			
		449	450			<u>Silver Bay Station</u>	54		
	<u>Heterocarpus laevis</u> A. Milne-Edwards					<u>Combat Station</u>	90		
	<u>Oregon Station</u>	2637				<u>Thor floridanus</u> Kingsley			
	<u>Parapandalus longicauda</u> Rathbun					<u>Silver Bay Station</u>	71		
	<u>Silver Bay Station</u>	2460	2466			<u>Combat Station</u>	72		
	<u>Plesionika acanthonotus</u> (Smith)					<u>Tozeuma carolinense</u> Kingsley			
	<u>Oregon Station</u>	1932	2081			<u>Combat Station</u>	72		
	<u>Pelican Station</u>	11	18	31	ERYONIDAE	<u>Polychaetes</u> sp.			
	<u>Plesiochela edwardsii</u> (Brandt) ?					<u>Oregon Station</u>	1924	2652	
	<u>Combat Station</u>	237	238			<u>Combat Station</u>	362		
	<u>Plesiochela ensis</u> (A. Milne-Edwards)					<u>Polychaetes typhlops</u> Heller			
	<u>Oregon Station</u>	2399				<u>Oregon Station</u>	1506		
	<u>Silver Bay Station</u>	2420				<u>Silver Bay Station</u>	2449		
	<u>Combat Station</u>	11				<u>Combat Station</u>	245	329	469
	<u>Plesiochela longipes</u> (A. Milne-Edwards)						447		
	<u>Oregon Station</u>	1324	1537	1538		<u>Pelican Station</u>	53		
		1539	1540	1541	NEPHROPIDAE	<u>Nephrops</u> sp. ?			
		1542	1543	1545		<u>Combat Station</u>	140		
		1546	1548	1549		<u>Nephropsis aculeata</u> Smith			
		1550	1556	1869		<u>Oregon Station</u>	1506	1550	2006



NEPHROPSIDAE (contd.)	<u>Combat Station</u>	226 486	329	469	GALATHEIDAE (contd.)	<u>Munida longipes</u> A. Milne-Edwards			
	<u>Pelican Station</u>	53				<u>Combat Station</u>	177	226	
	<u>Nephrops rubellus binghami</u> Boone					<u>Munida munida robusta</u> A. Milne-Edwards			
HOMARIDAE	<u>Combat Station</u>	447				<u>Oregon Station</u>	2080		
	<u>Phoberus caecus</u> A. Milne-Edwards					<u>Munida schroederi</u> Chace			
	<u>Oregon Station</u>	1947	1948	1952		<u>Combat Station</u>	235	445	
PALINURIDAE	<u>Panulirus laevicauda</u> (Latreille)					<u>Munida simplex</u> Benedict			
	<u>Oregon Station</u>	2230				<u>Combat Station</u>	72		
	<u>Scyllarides</u> sp.					<u>Munida stimpsoni</u> A. Milne-Edwards			
SCYLLARIDAE	<u>Oregon Station</u>	2230				<u>Combat Station</u>	237	445	446
	<u>Scyllarides nodifer</u> (Stimpson)					<u>Munida valida</u> Smith			
	<u>Silver Bay Station</u>	44	88	91		<u>Combat Station</u>	171 332	172	245
	<u>Scyllarus</u> sp.					<u>Munida</u> sp.			
	<u>Silver Bay Station</u>	59 71	60	68		<u>Oregon Station</u>	2080		
	<u>Scyllarus americanus</u> (Smith)					<u>Munidopsis robusta</u> (A. Milne-Edwards)			
	<u>Oregon Station</u>	1666 2335	2088	2249		<u>Combat Station</u>	122		
	<u>Silver Bay Station</u>	54	88			<u>Pelican Station</u>	53		
	<u>Combat Station</u>	119	169	202		<u>Pagurus</u> sp.			
	<u>George M. Bowers Station</u>	37			PAGURIDAE	<u>Oregon Station</u>	2203		
	<u>Scyllarus arctus</u> (Linnaeus)					<u>Combat Station</u>	235		
	<u>Combat Station</u>	90	370	457		<u>Pagurus impressus</u> (Benedict)			
	<u>Scyllarus faxoni</u> Bouvier					<u>Silver Bay Station</u>	577 672	585 673	586 674
	<u>Oregon Station</u>	1345				<u>Pagurus politus</u> (Smith)			
	<u>Combat Station</u>	235 446	237	238		<u>Oregon Station</u>	1543		
AXIIDAE	<u>Calocaria (Calastacus)</u> sp.					<u>Dardanus venosus</u> (A. Milne-Edwards)			
	<u>Combat Station</u>	445				<u>Oregon Station</u>	2249	2633	
	<u>Albunea gibbesii</u> Stimpson					<u>Isocheles vurdemanni</u> Stimpson			
ALBUNIIDAE	<u>Combat Station</u>	396				<u>Silver Bay Station</u>	557	558	
	<u>Albunea oxyoptalma</u> Leach					<u>Mixtopagurus paradoxus</u> (A. Milne-Edwards)			
	<u>Oregon Station</u>	2092				<u>Oregon Station</u>	2066		
CHIROSTYLIDAE	<u>Rumunida picta</u> Smith					<u>Paguristes depressus</u> Stimpson			
	<u>Oregon Station</u>	2004				<u>Oregon Station</u>	2613		
	<u>Combat Station</u>	410				<u>Paguristes hummi</u> Wess			
	<u>Uroptychus uncifer</u> (A. Milne-Edwards)					<u>Silver Bay Station</u>	557 673	558 674	672
	<u>Oregon Station</u>	2081				<u>Paguristes rectifrons</u> Boedict			
	<u>Galathea rostrata</u> A. Milne-Edwards					<u>Silver Bay Station</u>	557 586	558	585
GALATHEIDAE	<u>Combat Station</u>	72				<u>Paguristes spinipes</u> A. Milne-Edwards			
	<u>Munida angulata</u> Benedict					<u>Combat Station</u>	237		
	<u>Combat Station</u>	72				<u>Paguristes tortugae</u> Schmitt			
	<u>Munida avermanni</u> Benedict					<u>Silver Bay Station</u>	59		
	<u>Combat Station</u>	447				<u>Parapagurus</u> sp. nov. ?			
	<u>Munida forceps</u> A. Milne-Edwards					<u>Silver Bay Station</u>	451		
	<u>Combat Station</u>	441	453	458		<u>Parapagurus pilosimanus</u> Smith			
	<u>Munida iris</u> A. Milne-Edwards					<u>Oregon Station</u>	1424		
	<u>Oregon Station</u>	1543	2082			<u>Petrochirus bahamensis</u> (Herbet)			
	<u>Combat Station</u>	177	259			<u>Oregon Station</u>	2262		
	<u>Pelican Station</u>	58				<u>Silver Bay Station</u>	557 585 673	558 586 674	577 672
	<u>Munida irrasa</u> A. Milne-Edwards					<u>Fylopagurus bartletti</u> (A. Milne-Edwards)			
	<u>Combat Station</u>	445				<u>Oregon Station</u>	2080		



PAGURIOA (contd.)	<u>Pylopagurus corallinus</u> (Benedict)				THELXIOPEIDAE	<u>Thelxiope barbata</u> (Fabricius)				
	<u>Combat</u> Station	90				<u>Combat</u> Station	90	405	455	
	<u>Pylopagurus discoidalie</u> (A. Milne-Edwards)						457			
	<u>Oregon</u> Station	2066	2080		DORIPPIDAE	<u>Ethusa microptbaltus</u> Smith				
	<u>Pylopagurus gibbosimarmis</u> (A. Milne-Edwards)					<u>Oregon</u> Station	2203			
	<u>Oregon</u> Station	2066			LEUCOSIIDAE	<u>Ebalia cariosa</u> (Stimpson)				
	<u>Sympagurus arcuatus</u> A. Milne-Edwards and Souvier					<u>Oregon</u> Station	2272			
	<u>Oregon</u> Station	2571				<u>Litbadia cadaverosa</u> Stimpson				
	<u>Sympagurus pictus</u> Smith					<u>Silver Bay</u> Station	59			
	<u>Oregon</u> Station	1564				<u>Persephona punctata punctata</u> (Linnaeus)				
	<u>Combat</u> Station	120				<u>Oregon</u> Station	2272	2339		
	<u>Sympagurus pilimanus</u> A. Milne-Edwards					<u>Persephona punctata aquilonaris</u> Rathbun				
	<u>Oregon</u> Station	2639				<u>Oregon</u> Station	1719	1755		
	<u>Xylopagurus rectus</u> A. Milne-Edwards					<u>Silver Bay</u> Station	59	60	71	
	<u>Oregon</u> Station	1986	2649			<u>Combat</u> Station	408			
PORCELLANIDAE	<u>Minyocerus</u> sp.					<u>Myropsis quinquespinoza</u> Stimpson				
	<u>Combat</u> Station	427				<u>Oregon</u> Station	1336	2203		
	<u>Pachycheles</u> sp.					<u>Combat</u> Station	235	445	446	
	<u>Combat</u> Station	457				<u>Illicantha subglobosa</u> Stimpson				
	<u>Pachycheles ackleianus</u> A. Milne-Edwards					<u>Combat</u> Station	237			
	<u>Silver Bay</u> Station	54				<u>Illicantha liodactylus</u> Rathbun				
	<u>George M. Bowers</u> Station	37				<u>Oregon</u> Station	2249	2272		
	<u>Pachycheles rugimanus</u> A. Milne-Edwards					<u>Illicantha intermedia</u> Miers				
	<u>Silver Bay</u> Station	42				<u>Oregon</u> Station	1719	2249		
	<u>Combat</u> Station	90				<u>Silver Bay</u> Station	54	71		
	<u>Petrolisthes armatus</u> (Gibbes)					<u>Combat</u> Station	119			
	<u>Silver Bay</u> Station	59	60	67		<u>Illicantha sparsa</u> Stimpson				
	<u>Petrolisthes galathinus</u> (Bosc)					<u>Silver Bay</u> Station	53			
	<u>Silver Bay</u> Station	59	71			<u>Callidactylus asper</u> Stimpson				
	<u>Porcellana asyana</u> (Leach)					<u>Silver Bay</u> Station	42	53	54	
<u>Oregon</u> Station	1674	2249	2262		CALAPPIDAE	<u>Caleppa flamma</u> (Herbat)				
	2339					<u>Oregon</u> Station	1494	1495	1497	
<u>Silver Bay</u> Station	59	60	71				1499	1500	1554	
<u>Porcellana sigabellana</u> A. Milne-Edwards							1674	1675	1679	
<u>Oregon</u> Station	2203						1682	1683	1684	
<u>Porcellanopsis scoriata</u> (Say)							1685	1687	1690	
<u>Silver Bay</u> Station	71						1698	1699	1701	
RANINIDAE	<u>Raninoides loevis</u> (Latreille)						1703	1704	1706	
	<u>Oregon</u> Station	1719					1710	1714	1715	
	<u>Raninoides louisianensis</u> Rathbun						1716	1726	1728	
	<u>Oregon</u> Station	1495	1496	1674			1737	1738	1741	
		2203					1743	1745	1746	
	<u>Silver Bay</u> Station	1178	1179				1755	1756	1757	
	<u>Ranilia muricata</u> A. Milne-Edwards						1763	1773	1782	
	<u>Oregon</u> Station	1714					2395			
	<u>Combat</u> Station	391					<u>Silver Bay</u> Station	27	37	39
	<u>Lyreidus bairdii</u> Smith							48	59	80
	<u>Oregon</u> Station	1571						<u>Combat</u> Station	202	457
	<u>Combat</u> Station	226						<u>Pelican</u> Station	14	
	<u>Pelican</u> Station	61						<u>Caleppa springeri</u> Rathbun		
	<u>Oponidia antillensis</u> Stimpson							<u>Oregon</u> Station	1785	
	<u>Oregon</u> Station	1553	1719	1873				<u>Caleppa angusta</u> A. Milne-Edwards		
	2249	2339					<u>Silver Bay</u> Station	45	100	
<u>Silver Bay</u> Station	54	59	60				<u>Combat</u> Station	72	90	402
	69	71						405	457	
<u>Combat</u> Station	72	455					<u>Caleppa sulcata</u> Rathbun			
<u>Hypoconcha sabulosa</u> (Herbat)							<u>Oregon</u> Station	2272	2309	2338
<u>Silver Bay</u> Station	68						<u>Silver Bay</u> Station	184		
<u>Hypoconcha spinosissima</u> Rathbun							<u>Caleppa oitida</u> Holthuis			
<u>Oregon</u> Station	1666	1674					<u>Oregon</u> Station	2249	2262	2272
<u>Combat</u> Station	457							2309	2335	2339
<u>Hypoconcha arcuata</u> Stimpson										
<u>Oregon</u> Station	2272									

CALAPPIDAE (contd.)	<u>Caleppa</u> spp.				PORTUNIDAE (contd.)	<u>Portunus</u> ( <u>achelous</u> ) <u>spinimanus</u> Latreille			
	<u>Oregon</u> Station	2249 2309 2339	2262 2135	2272 2338		<u>Oregon</u> Station	1495 1755 2262	1554 2249 2335	1672 2261 2338
	<u>Acanthocarpus alexandri</u> Stimpson					<u>Silver Bay</u> Station	60	71	
	<u>Oregon</u> Station	2203				<u>Combat</u> Station	202	505	
	<u>Silver Bay</u> Station	100				<u>Pelican</u> Station	68		
	<u>Combat</u> Station	180	402	452		<u>Portunus</u> ( <u>achelous</u> ) <u>ordwayi</u> (Stimpson)			
	<u>Acanthocarpus bispinosus</u> A. Milne-Edwards					<u>Oregon</u> Station	1553		
	<u>Oregon</u> Station	1320				<u>Silver Bay</u> Station	54		
	<u>Cycloes bairdii</u> Stimpson					<u>Combat</u> Station	119		
	<u>Combat</u> Station	455				<u>Portunus</u> ( <u>achelous</u> ) <u>floridanus</u> Rathbun			
	<u>Hopatus princeps</u> (Herbst)					<u>Combat</u> Station	391	406	457
	<u>Oregon</u> Station	2272	2339			<u>Portunus</u> ( <u>achelous</u> ) <u>depressifrons</u> (Stimpson)			
	<u>Hopatus epheliticus</u> (Johansson)					<u>Oregon</u> Station	1600		
	<u>Oregon</u> Station	1674 1746 1751 1757 2862	1679 1749 1754 1775 3149	1692 1750 1755 1778		<u>Portunus</u> ( <u>achelous</u> ) <u>spinicarpus</u> (Stimpson)			
	<u>Silver Bay</u> Station	59				<u>Oregon</u> Station	1345 1607 2335	1553 2249	1600 2262
	<u>Combat</u> Station	334				<u>Silver Bay</u> Station	53	54	
	<u>Hopatus</u> sp.					<u>Combat</u> Station	238 402 446 457	396 406 447	397 445
	<u>Oregon</u> Station	2249				<u>Portunus</u> ( <u>achelous</u> ) sp.			
	<u>Osachila semilevis</u> Rathbun					<u>Oregon</u> Station	2262		
	<u>Combat</u> Station	455				<u>Callinectes</u> <u>rapidus</u>			
	<u>Paracyclois</u> sp.					<u>Oregon</u> Station	2154		
	<u>Combat</u> Station	238	455			<u>Silver Bay</u> Station	1242 1290	1284 1313	1289
GONEPLACIDAE	<u>Bathyplox typhis</u> A. Milne-Edwards					<u>Callinectes ornatus</u> Ordway			
	<u>Oregon</u> Station	1334				<u>Oregon</u> Station	1824	2339	
	<u>Geryon quinquedens</u> Smith					<u>Callinectes danes</u> Smith			
	<u>Oregon</u> Station	1426				<u>Oregon</u> Station	1739 1755 1777	1746 1757 2128	1749 1775
	<u>Goneplox hirsuta</u> Borradaile					<u>Silver Bay</u> Station	187	334	
	<u>Silver Bay</u> Station	100				<u>ATELCYCLIDAE</u> <u>Trachycarcinus spinulifer</u> Rathbun			
	<u>Panoplox depressa</u> Stimpson					<u>Oregon</u> Station	1573		
	<u>Combat</u> Station	72				<u>CANCRIDAE</u> <u>Cancer irroratus</u> Say			
	<u>Euryplex altida</u> Stimpson					<u>Combat</u> Station	172 486	245 489	329 491
	<u>Silver Bay</u> Station	71				<u>Cancer borealis</u> Stimpson			
	<u>Glyptoplox smithii</u> A. Milne-Edwards					<u>Oregon</u> Station	1543		
	<u>Silver Bay</u> Station	42				<u>Combat</u> Station	171 186 410	172 309	179 362
PORTUNIDAE	<u>Ovalipes ocellatus quadulpenis</u> (Saussure)					<u>XANTHIDAE</u> <u>Actaea rufopunctata nodosa</u> Stimpson			
	<u>Oregon</u> Station	1730	1824			<u>Oregon</u> Station	2086		
	<u>Silver Bay</u> Station	24				<u>Glyptoxanthus erosus</u> (Stimpson)			
	<u>Combat</u> Station	171 514	334	428		<u>Combat</u> Station	203		
	<u>Bathynectes superba</u> (Costa)					<u>Carpoporus papulosus</u> Stimpson			
	<u>Oregon</u> Station	1543				<u>Combat</u> Station	72		
	<u>Combat</u> Station	138	259			<u>Medaeus spinimanus</u> (A. Milne-Edwards)			
	<u>Portunus</u> ( <u>portunus</u> ) <u>gibbesii</u> (Stimpson)					<u>Oregon</u> Station	2249		
	<u>Oregon</u> Station	2272	2339			<u>Leptodius agassizii</u> A. Milne-Edwards			
	<u>Silver Bay</u> Station	59				<u>Silver Bay</u> Station	42	44	
	<u>Combat</u> Station	119 379 513	171 396	202 397		<u>Lophopanopeus distinctus</u> Rathbun			
	<u>Portunus</u> ( <u>portunus</u> ) sp.					<u>Combat</u> Station	72	90	
	<u>Oregon</u> Station	2272							

XANTHIDAE (contd.)	<u>Panopeus occidentalis</u> Saussure				MAJIDAE (contd.)	<u>Combat</u> Station	72	406	455
	<u>Silver Bay</u> Station	59	71				457		
	<u>Rexapanopeus angustifrons</u> (Benedict and Rathbun)					<u>Podocheila sidneyi</u> Rathbun			
	<u>Silver Bay</u> Station	59	60			<u>Oregon</u> Station	1719		
	<u>Micropanope sculptipes</u> Stimpson					<u>Podocheila gracilipes</u> Stimpson			
	<u>Combat</u> Station	72	455			<u>Combat</u> Station	72		
	<u>Micropanope lewmanus</u> Chace					<u>Podocheila curvirostris</u> (A. Milne-Edwards)			
	<u>Silver Bay</u> Station	42	54			<u>Combat</u> Station	235		
	<u>Tetraxantbus rathbunae</u> Chace					<u>Anasimus latus</u> Rathbun			
	<u>Silver Bay</u> Station	100				<u>Oregon</u> Station	2249	2262	2335
	<u>Combat</u> Station	446				<u>Silver Bay</u> Station	182		
	<u>Menippe mercenaria</u> (Say)					<u>Combat</u> Station	405		
	<u>Oregon</u> Station	2875				<u>Pyromela cuspidata</u> Stimpson			
	<u>Silver Bay</u> Station	59	60	68		<u>Oregon</u> Station	1345		
		564	574	583		<u>Combat</u> Station	235	445	447
		585	597	644		<u>Rochinia crassa</u> (A. Milne-Edwards)			
		659	660	664		<u>Combat</u> Station	172	309	362
		668	669	672		<u>Rochinia hystrix</u> (Stimpson)			
		891	915			<u>Oregon</u> Station	1550		
	<u>Pelican</u> Station	8				<u>Combat</u> Station	447		
	<u>Pilumnus dasypodus</u> Kingsley					<u>Rochinia umbonata</u> (Stimpson)			
	<u>Oregon</u> Station	1719				<u>Oregon</u> Station	1926		
	<u>Silver Bay</u> Station	59	60	71		<u>Trachymela cornuta</u> A. Milne-Edwards			
	<u>Pilumnus floridanus</u> Stimpson					<u>Combat</u> Station	238		
	<u>Silver Bay</u> Station	42	53	59		<u>Nibilia antiopea</u> (Stimpson)			
	<u>Pilumnus pannosus</u> Rathbun					<u>Combat</u> Station	90	370	457
	<u>Silver Bay</u> Station	71				<u>Holoplates armata</u> (A. Milne-Edwards)			
	<u>Pilumnus sayi</u> Rathbun					<u>Oregon</u> Station	2080		
	<u>Oregon</u> Station	1719				<u>Libinia emarginata</u> Leach			
	<u>Silver Bay</u> Station	42	53	59		<u>Combat</u> Station	90		
		60	71			<u>Hemus cristulipes</u> A. Milne-Edwards			
	<u>Pilumnus</u> sp. ?					<u>Silver Bay</u> Station	54		
	<u>Combat</u> Station	167				<u>Pitho anisodon</u> (Von Martens)			
	<u>Lubopilumnus agassizii</u> (Stimpson)					<u>Silver Bay</u> Station	71		
	<u>Silver Bay</u> Station	42	54	71		<u>Mithrax (mithrax) cornutus</u> Saussure			
	<u>Parapilumnus hendersoni</u> Rathbun ?					<u>Combat</u> Station	90		
	<u>Combat</u> Station	391				<u>Oregon</u> Station	2249	2262	2335
	<u>Cymopolia alternata</u> (Rathbun)					<u>Mithrax (mithrax) pleuracanthus</u> Stimpson			
	<u>Silver Bay</u> Station	53	54			<u>Oregon</u> Station	1719		
	<u>Cymopolia faxonii</u> Rathbun					<u>Silver Bay</u> Station	53	51	69
	<u>Combat</u> Station	72					71		
	<u>Cymopolia affinis</u> (A. Milne-Edwards and Bouvier)					<u>Mithrax (mithraculus) forceps</u> (A. Milne-Edwards)			
	<u>Combat</u> Station	72	455			<u>Oregon</u> Station	1719		
	<u>Palicus (Cymopolia) affinis</u> A. Milne-Edwards					<u>Silver Bay</u> Station	71		
	<u>Oregon</u> Station	2249				<u>Stenoclonopsis furcata coelata</u> (A. Milne-Edwards)			
	<u>Euchirograpsus americanus</u> A. Milne-Edwards					<u>Silver Bay</u> Station	45	206	
	<u>Oregon</u> Station	1873				<u>Combat</u> Station	72	455	457
	<u>Silver Bay</u> Station	206				<u>Stenoclonopsis spinosissima</u> (Saussure)			
	<u>Combat</u> Station	90	391			<u>Combat</u> Station	447		
	<u>Cardisoma guanhumi</u> Latreille					<u>Stenoclonopsis spinimana</u> (Rathbun)			
						<u>Oregon</u> Station	2203		
						<u>Combat</u> Station	405		

MAJIDAE  
(contd.)

Macrocoeloma trispinosum (Latreille)

Oregon Station

1719

Silver Bay Station

60

Macrocoeloma trispinosum nodipes (DeStonne)

Silver Bay Station

5-

69

Macrocoeloma camptocerum (Stimpson)

Silver Bay Station

60

Macrocoeloma subparallelum (Stimpson)?

Oregon Station

2249

Microphrys antillensis Rathbun

Silver Bay Station

71

PARTHENOPIIDAE

Parthenope (parthenope) agonus (Stimpson)

Oregon Station

2272

Combat Station

428

455

Parthenope (platylambrus) pourtalesii (Stimpson)

Combat Station

370

402

457

Parthenope (platylambrus) fraterculus (Stimpson)

Oregon Station

2066

2249

Combat Station

72

455

457

Parthenope (platylambrus) punctata Chase

Silver Bay Station

59

Parthenope (platylambrus) serrata (H. Milne-Edwards)

Oregon Station

2249

2272

Silver Bay Station

5-

71

Combat Station

397

Mesorhoa sexspinosus Stimpson

Oregon Station

2272

Heterocrypta granulata (Gibbes)

Silver Bay Station

59

SQUILLIDAE

Bathysquilla microps (Manning)

Silver Bay Station

445

1196

3516

Goodactylus curacaoensis Schmitt

Oregon Station

3620

Gonodactylus oerstedii Hansen

Oregon Station

275

1215

1719

1938

2355

3555

3603

3604

3605

3638

4227

4231

Silver Bay Station

53

54

69

71

581

1695

1704

1992

2142

2361

2366

Combat Station

203

Lysioerichtbus larvae

Oregon Station

1848

1941

Lysioquilla campechiensis Manning

Oregon Station

411

Lysioquilla glabriuscula (Lamarck)

Silver Bay Station

2366

3655

Lysioquilla acabricauda (Lamarck)

Off Chandeleur Island (shrimpsboat)

Odontodactylus havanaensis Bigelow

Oregon Station

1850

Parasquilla coccinea Manning

Oregon Station

83

944

Silver Bay Station

100

2390

Parasquilla meridionalis Manning

Oregon Station

2052

2249

2257

SQUILLIDAE (contd.)

Pseudosquilla ciliata (Fabricius)

Oregon Station

3537

3519

3703

Squilla alia Bigelow

1227

1262

1366

Orcas Reef, Gulf of Campeche

Squilla chydrea Manning

Oregon Station

88

90

101

103

107

116

109

102

132

340

341

352

662

645

645

344

060

1086

1755

1531

1203

1227

1262

1366

Silver Bay Station

181

182

1732

Squilla discora Manning

Oregon Station

36

320

44

Silver Bay Station

2460

2480

Combat Station

334

Squilla edentata (Lunz)

Oregon Station

27

60

103

158

273

326

332

345

1382

1883

1863

1385

2021

2203

2281

2286

2286

2295

2351

2782

2794

2827

3585

3595

3627

3649

4002

Silver Bay Station

1967

1968

2039

2725

2731

2732

Squilla empusa Say

Oregon Station

110

123

185

186

174

342

362

362

720

845

982

1435

1446

1500

1531

1532

1535

1536

2208

2209

2272

2279

2327

2463

2435

2437

2527

2554

2556

2967

Silver Bay Station

8

67

154

170

2165

Combat Station

375

378

379

Pelican Station

14

Squilla hertacantha (Hace)

Oregon Station

1340

2606

2648

2649

2658

2664

3585

3588

3590

Combat Station

235

236

238

445

Squilla intermedia Bigelow

Oregon Station

1241

1343

1344

2606

2639

2652

2658

2664

3627

Silver Bay Station

182

2458

Combat Station

235

237

238

Squilla liddingi Holthuis

Oregon Station

2207

2226

2228

2231

2250

2272

2276

2306

2307a

2307b

2327

Squilla neglecta Gibbes

Oregon Station

903

Combat Station

396

Squilla obtusa Holthuis

Oregon Station

2208

2209

Squilla quadridens Bigelow

Oregon Station

896

2249

2402

Squilla rugosa Bigelow

Oregon Station

449

713

907

1050

1938

2244

2249

2250

2261

2262

2267

2276

Silver Bay Station

73

## LIST OF MOLLUSKS

ARCTIDAE	<u>Noctia ponderosa</u> Say				PECTINIDAE (contd.)	<u>Amusium dalli</u> E. A. Smith			
	<u>Silver Bay</u> Station	121 145	122	143		<u>Oregon</u> Station	1909 1916 1918 1922 1923 1942 1948 1949 1953	1911 1918 1922 1948 1950 1952	1915 1922 1948 1952
	<u>Glycymeris americana</u> Oefrance					<u>Silver Bay</u> Station	2483		
PINNIDAE	<u>Anadara baughmani</u> Hertlein				LIMIDAE	<u>Amusium papyraceus</u> Galt			
	<u>Oregon</u> Station	1707 2283	1709 2346	1710		<u>Oregon</u> Station	1496 2960 3043	1500 3000 3119	1803 3015
	<u>Atrina rigida</u> Solander					<u>Pecten muscosus</u> (Wood)	1693 1710	1693	1698
PTERIIDAE	<u>Silver Bay</u> Station	58 84	59	71	MYTILIDAE	<u>Silver Bay</u> Station	35 143	71	141
	<u>Pteria colymbus</u> R�dding					<u>Lima scabra</u> Born			
	<u>Oregon</u> Station	1721 36	1781 71	118		<u>Silver Bay</u> Station	71		
SPONDYLIDAE	<u>Silver Bay</u> Station				CRASSATELLITIDAE	<u>Modiolus politus</u> Verrill and Smith			
	<u>Spondylus echinatus americanus</u> Lamarck					<u>Oregon</u> Station	2825		
	<u>Silver Bay</u> Station	86 93	87	88		<u>Modiolus sagittatus</u> Rehder			
PECTINIDAE	<u>Pecten ravenelli</u> Dall				CHAMIDAE	<u>Silver Bay</u> Station	2480		
	<u>Oregon</u> Station	1693 1700 1705 1710	1697 1701 1706 1714	1698 1702 1709 1715		<u>Crassatellites gibbsii</u> Tuomey and Holmes			
	<u>Silver Bay</u> Station	21	35	110		<u>Oregon</u> Station	1675		
PECTINIDAE	<u>Pecten terrenus</u> Dall				CARDIIDAE	<u>Silver Bay</u> Station	84		
	<u>Silver Bay</u> Station	86				<u>Chama (Echinochama) arcinella</u> Linne'			
	<u>Pecten ziczac</u> Linne'					<u>Silver Bay</u> Station	35 145	121	134
PECTINIDAE	<u>Silver Bay</u> Station	71 91	73 2282	89 2283	VENERIDAE	<u>Cardium (Dinocardium) robustum</u> Dall			
	<u>Pecten glyptus</u> Verrill					<u>Oregon</u> Station	1740 1778	1750	1777
	<u>Oregon</u> Station	1513	1514	1558		<u>Silver Bay</u> Station	18 145	121 146	143
PECTINIDAE	<u>Pecten gibbus</u> Linne'				MACROCALLISTA	<u>Laevicardium serratum</u> Linne'			
	<u>Oregon</u> Station	1627 1683 1700 1703 1709 1727 2807 2808 2809 2810 2811 2812 2828 2829 2830 2831 2832 2833 2834 2835 2836 2837 2838 2839 2840 2841 2842 2843 2844 2845 2846 2856 2858 3123	1629 1684 1701 1702 1706 1726 2537 2809 2812 2830 2833 2836 2839 2842 2845 2857 3025 3130	1681 1698 1702 1706 1726 2537 2809 2812 2830 2833 2836 2839 2842 2845 2857 3025 3130		<u>Oregon</u> Station	1672 1693 1695 1702 1712 1714 1715 1727 1755 1764	1675 1685 1702 1712 1717 1758 1767	1681 1694 1712 1727 1752
	<u>Silver Bay</u> Station	47 83 93 98 158 579 583 586 587 581 585 598 602 606 609 610 615 618 626 648 652 662 666 667 672 788 1226 1270 1273 1496 1497 1564 1565 1742 1864 1867 1934 1835 1936 1938 1944 1946 1947 1948 1949 1984 2283 2503 2510 2511	59 85 96 99 573 580 586 587 585 598 609 618 652 667 1226 1496 1565 1867 1936 1936 1946 1949 2503 2511	71 96 110 574 582 587 598 609 618 652 667 1226 1496 1565 1867 1936 1936 1946 1949 2503 2511		<u>Silver Bay</u> Station	28 58 97 117	39 89 98	41 93 99
PECTINIDAE	<u>Combat</u> Station	69 320 338 341	94 335 339	95 337 340	MACROCALLISTA	<u>Chione paphia</u> Linne'			
	<u>Pecten nodosus nodosus</u> Linne'					<u>Silver Bay</u> Station	88		
	<u>Oregon</u> Station	1693 1726	1698 1838	1713		<u>Mercenaria campechiensis</u> Gmelin			
PECTINIDAE	<u>Silver Bay</u> Station	93 1208 2402	94 2359 2507	98 2378	MACROCALLISTA	<u>Oregon</u> Station	1741		
	<u>Pecten nodosus nodosus</u> Linne'					<u>Silver Bay</u> Station	116 125 127 128 130 131 132 133 134 135 136 138 139 140 141 142 143 144 145 146 147 504 505 506 507 508 509 510 511 512 517 518 519 534 535 536 544 546 549 550 556 562 567 1410 1411 1412	121 127 128 130 131 132 133 134 135 136 138 139 140 141 142 143 144 145 146 147 504 505 506 507 508 509 510 511 512 517 518 519 534 535 536 544 546 549 550 556 562 567 1410 1411 1412	124 128 132 135 135 136 139 142 145 504 507 510 517 534 544 550 567 1412

TROCHIDAE	<u>Gaea superba</u> Dall				MURICIDAE (contd.)	<u>Murex beaufi</u> Fischer and Bernardi			
	<u>Oregon Station</u>	1566 1942 2825	1872 1946	1919 1948		<u>Oregon Station</u>	1558	1981	
TURBINIDAE	<u>Turbo castaneus</u> Gmelin					<u>Silver Bay Station</u>	51 2391 2539	102 2428	154 2463
	<u>Silver Bay Station</u>	59				<u>Murex pomum</u> Gmelin			
NATICIDAE	<u>Polinices duplicatus</u> Say					<u>Oregon Station</u>	1672	1675	
	<u>Oregon Station</u>	1744	1750			<u>Silver Bay Station</u>	5		
	<u>Sinum perspectivum</u> Say					<u>Murex pazi</u> Crosse			
	<u>Silver Bay Station</u>	27	28	59		<u>Silver Bay Station</u>	2454	2481	
XENOPHORIDAE	<u>Xenophora conchyliophora</u> Born					<u>Murex fulvescens</u> Sowerby			
	<u>Oregon Station</u>	1712				<u>Oregon Station</u>	1672 1681 1684 1688 1696 1713 1726 1744 1756 1759 1773 1778 1781	1673 1682 1685 1690 1711 1714 1727 1745 1757 1760 1775 1779 1782	1674 1683 1686 1693 1712 1715 1733 1755 1758 1763 1776 1780 1783
	<u>Tugurium caribaeum</u> Petit					<u>Silver Bay Station</u>	32	39	1564
	<u>Oregon Station</u>	1879	1903	1904		<u>Murex florifer</u> Reeve			
	<u>Silver Bay Station</u>	51	2481			<u>Silver Bay Station</u>	85	1564	
	<u>Combat Station</u>	446				<u>Pelican Station</u>	15		
	<u>Tugurium longleyi</u> Bartsch					<u>Murex bequaerti</u> Clench and Parfante			
	<u>Oregon Station</u>	1537	1538	1545		<u>Silver Bay Station</u>	51		
STROMBIDAE	<u>Strombus gigas</u> Linne					<u>Murex aguayoi</u> Clench and Parfante			
	<u>Oregon Station</u>	1755 1780	1776 1782	1777 1783		<u>Silver Bay Station</u>	2481		
	<u>Silver Bay Station</u>	657				<u>Combat Station</u>	446		
	<u>Strombus costatus</u> Gmelin					<u>Murex nuttingi</u> Dall			
	<u>Silver Bay Station</u>	71				<u>Oregon Station</u>	1981		
	<u>Strombus alatus</u> Gmelin					CORALLIPHILIDAE	<u>Coralliphila deburghiae</u> Reeve		
	<u>Silver Bay Station</u>	39 96	86	95		<u>Silver Bay Station</u>	2481		
	CASSIDIDAE	<u>Cassia madagascarensis</u> Lamarck				NEPTUNIDAE	<u>Liomeus stimpsoni</u> Dall		
	<u>Oregon Station</u>	1675				<u>Silver Bay Station</u>	1551		
	<u>Silver Bay Station</u>	81 1874 2434	94 2285	95 2288		<u>Busycon perversum</u> Linne			
	<u>Phalium granulatum</u> Born					<u>Oregon Station</u>	1674 1686 1712 1744 1761 1778 1782	1681 1699 1716 1751 1763 1779 1787	1682 1704 1743 1760 1772 1781
	<u>Silver Bay Station</u>	2400				<u>Silver Bay Station</u>	32 143	71 121	
	<u>Sconsie striata</u> (Lamarck) Grey					FASCIOLARIIDAE	<u>Fasciolaria tulipa</u> Linne		
	<u>Oregon Station</u>	1495				<u>Oregon Station</u>	1700		
TONNIDAE	<u>Tonna galea</u> Linne					<u>Silver Bay Station</u>	41 2507	2402 2523	2502
	<u>Oregon Station</u>	1751				<u>Fasciolaria hunteria</u> Perry			
	<u>Silver Bay Station</u>	2346	2502			<u>Oregon Station</u>	1781		
	<u>Ficus papyratia</u> Say					<u>Silver Bay Station</u>	59 98	85 143	97 145
	<u>Oregon Station</u>	1675 1689	1685	1688		<u>Pleuroploca gigantea</u> Kiecer			
	<u>Silver Bay Station</u>	71	2285			<u>Oregon Station</u>	1683 1695 1727 1777 1783	1686 1705 1763 1778	1694 1714 1776 1782
CYMATIDAE	<u>Distorsio clathrata</u> Lamarck					<u>Silver Bay Station</u>	39 99 2522	41 122	71 1874
	<u>Oregon Station</u>	1674	1700						
	<u>Silver Bay Station</u>	39							
	MURICIDAE	<u>Murex cabriti</u> Bernardi							
	<u>Oregon Station</u>	1674 1706	1693 1865	1698					
	<u>Silver Bay Station</u>	35	37						
	<u>Murex recurvirostris rubidus</u> Baker								
	<u>Oregon Station</u>	1693							
	<u>Silver Bay Station</u>	35							



FASCIOLARIIDAE (contd.)	<u>Fusinus timeaeus</u> Dall			
	<u>Oregon Station</u>	1701		
	<u>Silver Bay Station</u>	2403	240	2432
	<u>Fusinus eucosmius</u> Dall			
	<u>Silver Bay Station</u>	2403		
XANCIDAE	<u>Xancus angulatus</u> Solander			
	<u>Oregon Station</u>	1865		
VOLUTIDAE	<u>Scaphella junonia</u> Shaw			
	<u>Oregon Station</u>	1674	1675	1677
		1685	1686	1686
		1689	1702	1727
	<u>Silver Bay Station</u>	81	91	
	<u>Scaphella dohrni</u> Sowerby			
	<u>Silver Bay Station</u>	2418	2424	
	<u>Scaphella dubia</u> Broderip			
	<u>Silver Bay Station</u>	2426		
	<u>Scaphella gouldiana</u> Dall			
	<u>Combat Station</u>	458		
	<u>Scaphella robusta</u> Dall			
	<u>Oregon Station</u>	2825		
	<u>Silver Bay Station</u>	2418	2452	2460
	<u>Combat Station</u>	456		
MITRIDAE	<u>Mitra stimpsoni</u>			
	<u>Silver Bay Station</u>	2481		
OLIVIDAE	<u>Oliva sayana</u> Ravenel			
	<u>Oregon Station</u>	1694	1695	1776

TEREBRIDAE	<u>Terebra albigenta</u> Say			
	<u>Oregon Station</u>	1709		
CONIDAE	<u>Conus purpuratus</u> Clench			
	<u>Oregon Station</u>	1686	1714	
	<u>Silver Bay Station</u>	146		
	<u>Conus daedalus</u> Hwass			
	<u>Pullman Station</u>	15		
	<u>Conus gouldi</u> Bartsch			
	<u>Oregon Station</u>	1683	1697	1710
		1712		
TURRIDAE	<u>Polydora tellon</u> Dall			
	<u>Oregon Station</u>	1498		
	<u>An. l. trochyrinx</u> Cragin, Dall			
	<u>Oregon Station</u>	1961		
	<u>Geneta vintremina</u> Dall			
	<u>Oregon Station</u>	1863		
SCAPHANDRIDAE	<u>Scaphander watsoni</u> Dall			
	<u>Oregon Station</u>	1867		
LOLIGINIDAE	<u>Loligo pualii</u> Le Sueur			
	<u>Oregon Station</u>	1491	1511	1556
		1554	1556	
	<u>Silver Bay Station</u>	5	7	
	<u>Combat Station</u>	67	94	95
		97	99	101



# LIST OF FISHES

MYXINIDAE	<u>Myxine glutinosa</u> Linnaeus				SCYLIORHINIDAE (contd.)	<u>Scyliorhinus torrei</u> Novell-Rivero			
	<u>Oregon Station</u>	1886	1945			<u>Silver Bay Station</u>	2457	2475	2477
	<u>Combat Station</u>	450	473			<u>Scyliorhinus boa</u>			
	<u>Paramyxine springeri</u> Bigelow and Schroeder					<u>Silver Bay Station</u>	2482		
	<u>Oregon Station</u>	1445	1450	1886	TRIAKIDAE	<u>Mustelus canis</u> (Mitchill)			
	1945	2670				<u>Oregon Station</u>	2115		
	<u>Silver Bay Station</u>	445	490	1189		<u>Silver Bay Station</u>	1266	1486	1642
		1190					1645	1664	
HEXANCHRIDAE	<u>Heptranchias perlo</u> (Bonnaterre)					<u>Mustelus norrisi</u> Springer			
	<u>Oregon Station</u>	1452				<u>Silver Bay Station</u>	7	526	
	<u>Silver Bay Station</u>	295				<u>Triakis barboursi</u> Bigelow and Schroeder			
CARCHARIIDAE	<u>Carcharias taurus</u> Rafinesque					<u>Silver Bay Station</u>	441	2457	2458
	<u>Silver Bay Station</u>	1005	1006	1009			2469	2475	2485
		1463	1751	1799		CARCHARHINIDAE	<u>Galeocerdo cuvieri</u> (Peron and Le Sueur)		
ISURIDAE	<u>Isurus oxyrinchus</u> Rafinesque					<u>Oregon Station</u>	1469	1474	1476
	<u>Oregon Station</u>	1468	1488a	1584			1478	1481	1488
		1590	1606	1610			1495	1584	1595
		1612	1626	1862			1606	1609	1610
		1900	2764				1612	1615	1617
							1619	1621	1622
							1664	1669	1684
							1896	1976	
ALOPIIDAE	<u>Alopias vulpinus</u> (Bonnaterre)					<u>Silver Bay Station</u>	579	409	649
	<u>Silver Bay Station</u>	157				<u>Prionace glauca</u> (Linnaeus)			
ORECTOLOBIIDAE	<u>Ginglymostoma cirratum</u> (Bonnaterre)					<u>Oregon Station</u>	2769	2786	
	<u>Silver Bay Station</u>	915	989	1075		<u>Negaprion brevirostris</u> (Poey)			
SCYLIORHINIDAE	<u>Apristurus profundorum</u> (Goode and Bean)					<u>Oregon Station</u>	1628	1630	1668
	<u>Oregon Station</u>	2777					1670	1671	1725
	<u>Silver Bay Station</u>	1182					1735	1787	
	<u>Galeus arae</u> (Nichols)					<u>Silver Bay Station</u>	240		
	<u>Oregon Station</u>	1454	1537	1539		<u>Hypoprion signatus</u> Poey			
		1540	1541	1542		<u>Oregon Station</u>	1567		
		1543	1546	1547		<u>Silver Bay Station</u>	2584	2724	
		1548	1550	1551		<u>Carcharhinus acronotus</u> (Poey)			
		1872	1883	1885		<u>Silver Bay Station</u>	2138		
		1889	1919	1920		<u>Carcharhinus limbatua</u> (Müller and Renle)			
		1921	1922	1923		<u>Oregon Station</u>	2128		
		1924	1925	1926		<u>Eulamia floridanus</u> (Bigelow, Schroeder and Springer)			
		1927	1928	1929		<u>Oregon Station</u>	1430	1433	1435
		1931	1932	1933			1436	1469	1471
		1942	1943	1944			1478	1480	1484
		1945	1947	1948			1491	1582	1588
		1949	2606	2651			1590	1592	1594
		2663	2670	2672			1596	1598	1605
		2674					1606	1619	1621
	<u>Silver Bay Station</u>	232	237	441			1622	1624	1645
		1192	1193	1194			1862	1896	1898
		2040	2420	2421			1899	1900	1901
		2423	2483				2141	2745	2768
	<u>Combat Station</u>	215	224	228			2769	2786	2791
		259	308	317			2796		
		319	322	330		<u>Silver Bay Station</u>	199		
		332	436	438		<u>Eulamia obscurus</u>			
		439	441	442		<u>Oregon Station</u>	1474	1476	1478
		444	453	458			1481	1488b	1490
		459					1493	1584	1609
	<u>Pelican Station</u>	17	18	20			1610	1612	1615
		27					1617	1619	1621
	<u>Scyliorhinus retifer</u> (Garman)						1622	1624	1975
	<u>Oregon Station</u>	1446	1453	1454			1977	2766	2768
		1455	1456	1518			2791	2796	
		1519	1528	1529		<u>Combat Station</u>	39		
		1530	1537	1538		<u>Pteroleiops longimanus</u> (Poey)			
		1539	1543	1548		<u>Oregon Station</u>	1570	1431	1432
		1550	1551	1564			1433	1434	1435
		1565	1567	1569			1437	1439	1440
		1577	1578	1580			1469	1471	1473
		1883	1963	1966			1478	1481	1482
		1969	1971	2673			1484	1488a	1488b
		2674					1490	1491	1493
	<u>Silver Bay Station</u>	1177	1190	1191			1584	1586	1588
		1188	1277	1280			1590	1592	1594
		1283	2175	2902					
	<u>Combat Station</u>	177	185	295					
		300	357	438					
		441	442						
	<u>Pelican Station</u>	40							

CARCHARHINIDAE  
(contd.)

1595 1597 1598  
1599 1603 1604  
1606 1609 1617  
1622 1624 1626  
1845 1846 1862  
1899 1900 1977  
1978 1979 2785  
2791 2796

Scoliodon terraenovae (Richardson)

Oregon Station 2877

SPHYRNIDAE

Sphyrna diplana Springer

Oregon Station 1629 2386 2395  
2422 2423 2436  
2525

Silver Bay Station 199 362 378

Sphyrna lewini (Griffith)

Silver Bay Station 172

Sphyrna tiburo (Linnaeus)

Oregon Station 1629 1654 1657  
1659 1663 1716  
2101 2116 2127  
2136 2388 2869  
2877 2878 2904  
3046

Silver Bay Station 258 267 274  
319 327 919

Combat Station 504

Sphyrna tudes

Oregon Station 2110

Sphyrna zygaena (Linnaeus)

Oregon Station 2504 2873 2877

SQUALIDAE

Etmopterus bullisi Bigelow and Schroeder

Oregon Station 1952 2636 2672  
Silver Bay Station 1607 2074 2421  
2449

Combat Station 444

Etmopterus billianus (Poey)

Oregon Station 1568 2606 2639  
2647 2651 2663  
2664 2666

Etmopterus princeps

Pelican Station 43

Etmopterus schultzi Bigelow, Schroeder and Springer

Oregon Station 1453 1507 1521  
1526 1527 1530

Silver Bay Station 1180

Etmopterus virens Bigelow, Schroeder and Springer

Oregon Station 1441 1442 1456  
1460 1502 1509  
1516 1518 1519  
1521 1525 1526  
1527 1528 1529  
1530 1565 1889  
1924 1928 1943  
1963 1965 1966  
1968 1969 1984  
2825

Squalus acanthias Linnaeus

Silver Bay Station 1487 1725 1726

Squalus cubensis Rowell-Rivero

Oregon Station 1450 1564 2664

Silver Bay Station 2468

Combat Station 183

SQUALIDAE  
(contd.)

Squalus fernandinus Molina

Oregon Station 1961

Silver Bay Station 1740 1741

Combat Station 235 442 453

Squalus sp.

Combat Station 288 289 295  
438 453

DALATIIDAE

Dalatias licha (Bonnaterre)

Silver Bay Station 441 450 451

PRISTIOPHORIDAE

Pristiophorus schroederi Springer and Bullis

Silver Bay Station 441 2457 2458  
2469

Combat Station 449 (type location)

SQUATINIDAE

Squatina dumerili (Le Sueur)

Silver Bay Station 1268

Squatina sp.

Oregon Station 1496 1558 1562  
1563 1648 1669  
1705 1716 1792  
1902 1961 1968  
2203 2527 3167  
3173

Silver Bay Station 4 154 155  
176 178 180  
182 195 266  
281 300 314  
316

Combat Station 382 383

RHINOBATIDAE

Rhinobatos lentiginosus (Garman)

Oregon Station 1674 2993 3027

Silver Bay Station 152 1226

Combat Station 381

Rhinobatos percellens (Walbaum)

Oregon Station 2017 2043 2046  
2325

Silver Bay Station 69

Rhinobatos sp.

Silver Bay Station 1286 1289

TORPEDINIDAE

Torpedo andersoni Bullis

Silver Bay Station 2467 (type location)  
2470

Torpedo nobiliana Bonaparte

Oregon Station 1694 (6 fathoms)  
1907 2007 2008  
2025

Silver Bay Station 238 239 241  
243 244 245

Combat Station 290

Narcine brasiliensis (Olfers)

Oregon Station 182 1740 1743  
1744 1750 1776  
1779 2055 2057  
2058 2385 2395  
2397 2408 2410  
2461 2503

Silver Bay Station 32 411 1329  
2288 2289 2355

Narcine sp.

Oregon Station 2001 2037

Diplobatis pictus Palmer

Oregon Station 2321

Diplobatis sp.

Oregon Station 2058 2213 2236  
2263 2267

TORPEDINIDAE (contd.)	<u>Benthobatis marcida</u> Bean and Weed			RAJIDAE (contd.)		1778	1779	1782
	<u>Oregon Station</u>	1342				1783	2546	2552
	<u>Silver Bay Station</u>	441	442	450		2554	2555	2557
		2420	2421	2457	<u>Silver Bay Station</u>	3	4	6
		2469	2472	2477		9	14	36
		2479	2481	2482		157	159	162
	<u>Combat Station</u>	238	436	442		170	352	2383
		444	446	447		2390	2407	2410
		448	453	458	<u>Breviraja atripinna</u> Bigelow and Schroeder			
RAJIDAE	<u>Raja eglanteria</u> Bosc				<u>Silver Bay Station</u>	2458		
	<u>Oregon Station</u>	729	730	1672	<u>Breviraja colesi</u> Bigelow and Schroeder			
		1674	1675	1676	<u>Silver Bay Station</u>	2457	2469	2482
		1677	1679	1680		2483		
		1685	1686	1687	<u>Combat Station</u>	238		
		1688	1693	1694	<u>Breviraja cubensis</u>			
		1695	1699	1700	<u>Silver Bay Station</u>	2458	2469	2475
		1701	1703	1705	<u>Combat Station</u>	449	450	
		1706	1707	1708	<u>Breviraja plutonia</u> (Garman)			
		1709	1710	1713	<u>Silver Bay Station</u>	216	218	225
		1716	1717	1718		449	454	458
		1719	1726	1751		462	469	475
		1757	1763			484	1607	1608
	<u>Silver Bay Station</u>	39	41	48		2420	2421	2485
		88	89	91		3078		
		273	929	1079	<u>Combat Station</u>	183	231	288
		1121	1208	1212		289	312	324
		1226	1263	1341		325	329	330
		1342	1345	1348		357	414	431
		1351	1393	1486		433	434	436
		1487	1518	1529		439	454	459
		1537	1664	1725		473	486	499
		1726	1865	1984		500		
		2080	2133	2140	<u>Pelican Station</u>	11	27	29
		2165	2410	2576		34	36	37
		2579	2581			40	43	49
	<u>Combat Station</u>	68	339	408		57	77	79
	<u>Raja floridana</u> ?				<u>Breviraja sinus-mexicana</u> Bigelow and Schroeder			
	<u>Silver Bay Station</u>	2475			<u>Oregon Station</u>	379	795	1450
						1961		
	<u>Raja garmani</u> Whitley				<u>Breviraja spinosa</u> Bigelow and Schroeder			
	<u>Silver Bay Station</u>	458	1274	1275	<u>Oregon Station</u>	2030 ?		
		1671	1694	1932	<u>Silver Bay Station</u>	443	3095	
		2405			<u>Combat Station</u>	289	295	312
	<u>Combat Station</u>	175	177	402		357	436	442
		370				445	459	499
	<u>Pelican Station</u>	16			<u>Pelican Station</u>	40		
	<u>Raja laevis</u> Mitchell				<u>Breviraja sp.</u>			
	<u>Oregon Station</u>	1007			<u>Oregon Station</u>	696	726	729
	<u>Silver Bay Station</u>	217	220	221		730	1872	1883
		1605	1608	1617		1927	1928	1929
	<u>Combat Station</u>	263	288	289		1931	1944	1949
		295	330	357		1952		
		414	430	441	<u>Silver Bay Station</u>	441	442	445
		442	453	470		2449	2469	2484
		484			<u>Cruriraja atlantis</u>			
	<u>Raja lentiginosa</u> Bigelow and Schroeder				<u>Silver Bay Station</u>	2458	2469	2475
	<u>Oregon Station</u>	1868	1869	1870	<u>Combat Station</u>	450		
		1871	1872	1883	<u>Cruriraja poeyi</u> Bigelow and Schroeder			
		1891	1902	1903	<u>Silver Bay Station</u>	2457	2458	2469
		1945				2472	2484	
	<u>Silver Bay Station</u>	458			<u>Combat Station</u>	447		
	<u>Raja olsoni</u> Bigelow and Schroeder				<u>Cruriraja sp.</u>			
	<u>Silver Bay Station</u>	316			<u>Oregon Station</u>	1895	1915	1916
	<u>Raja scaphiope</u> ?					1919	1921	1932
	<u>Oregon Station</u>	1944				1933	1943	1945
	<u>Raja teevani</u> Bigelow and Schroeder					1946	1947	1949
	<u>Combat Station</u>	448				1950	1952	1918
	<u>Raja texana</u> Chandler				<u>Dactylobatis armatus</u> Bean and Weed			
	<u>Oregon Station</u>	1494	1497	1499	<u>Silver Bay Station</u>	2074		
		1531	1533	1535				
		1536	1675	1682				
		1746	1754	1755				
		1756	1757	1758				
		1762	1774	1777				

ANACANTHOBATIDAE	<u>Anacanthobatis longirostris</u>			ACIPENSERIDAE	<u>Acipenser oxyrhynchus</u> Mitchill		
	<u>Silver Bay Station</u>	2458			<u>Silver Bay Station</u>	1486	
	<u>Springeria folirostris</u> (Sigelow and Schroeder)			ELOPIDAE	<u>Elops saurus</u> Linnaeus		
	<u>Oregon Station</u>	1441	1453 1454		<u>Oregon Station</u>	1804	2586 2588
		1456	1506 1506		2973	3027	
		1508	1557 1562		<u>Silver Bay Station</u>	166	167
		1563	1566 1568	ALSULIDAE	<u>Albula vulpes</u> (Linnaeus)		
		1569	1574 1579		<u>Oregon Station</u>	1600	
		1580	1961 1962		<u>Silver Bay Station</u>	353	410 850
		1963	1965 1969			1062	1063
	2825						
DASYATIDAE	<u>Dasyatis americana</u> Hildebrand and Schroeder			CLUPEIDAE	<u>Alosa alabamae</u> Jordan and Evermann		
	<u>Oregon Station</u>	2882			<u>Silver Bay Station</u>	106	
	<u>Silver Bay Station</u>	1521	1528 1553		<u>Alosa aestivalis</u> (Mitchill)		
	<u>Dasyatis centroura</u> (Mitchill)				<u>Silver Bay Station</u>	1664	1725
	<u>Oregon Station</u>	1785	2194		<u>Alosa chrysochloris</u> (Rafinesque)		
	<u>Silver Bay Station</u>	1250	1326 2133		<u>Oregon Station</u>	2115	2117
		2456	2581		<u>Alosa mediocris</u> (Mitchill)		
	<u>Dasyatis geijkesi</u> Boeseman				<u>Silver Bay Station</u>	1400	
	<u>Oregon Station</u>	2056			<u>Alosa sapidissima</u> (Wilson)		
	<u>Dasyatis sabina</u> (Le Sueur)				<u>Silver Bay Station</u>	1664	1665 1666
	<u>Oregon Station</u>	2875			1747		
	<u>Silver Bay Station</u>	1529	1586	<u>Brevoortia gunteri</u> Hildebrand			
<u>Dasyatis sayi</u> (Le Sueur)			<u>Oregon Station</u>	2869	2878 2903		
	<u>Silver Bay Station</u>	241	242 1553		2914		
		2578		<u>Brevoortia patronus</u> Goode			
<u>Dasyatis</u> sp.			<u>Oregon Station</u>	1649	2093 2098		
	<u>Oregon Station</u>	2057			2114	2115 2126	
GYMURIDAE	<u>Gymnura micrura</u> (Bloch and Schneider)				2127	2128 2130	
	<u>Oregon Station</u>	1653	2057 2058		2142	2402 2403	
		2375	2876 2878		2408	2413 2415	
	<u>Silver Bay Station</u>	320	929 1286		2416	2502 2583	
UROLOPHIDAE	<u>Urolophus jamaicensis</u> (Cuvier)				2694	2695 2669	
	<u>Oregon Station</u>	1748	2165		2875	2876 2878	
	<u>Urolophus microphthalmum</u> Delaman				2881	2903 2914	
	<u>Oregon Station</u>	2058			3095	3141 3149	
	<u>Urolophus microphthalmum</u> Delaman			<u>Silver Bay Station</u>	166	168	
	<u>Oregon Station</u>	2055	2056	<u>Brevoortia tyrannus</u> (Latrobe)			
	<u>Urolophus</u> sp.			<u>Silver Bay Station</u>	1313	1375 1376	
	<u>Oregon Station</u>	2055	2057 2210		1625		
		2211	2215	<u>Brevoortia smithi</u> Hildebrand			
	<u>Myliobatis freminvillii</u> Le Sueur			<u>Oregon Station</u>	2712	2728 2731	
MYLIOBATIDAE	<u>Oregon Station</u>	2404	2408	<u>Silver Bay Station</u>	238	239	
	<u>Silver Bay Station</u>	1498	2165 2553	<u>Pelican Station</u>	2	3	
	<u>Actobatus naninari</u> (Euphraseo)			<u>Clupea harengus</u> Linnaeus			
	<u>Silver Bay Station</u>	167	244 1363	<u>Silver Bay Station</u>	2891		
RHINOPTERIDAE	<u>Rhinoptera bonasus</u> (Mitchill)			<u>Dorosoma cepedianum</u> Le Sueur			
	<u>Oregon Station</u>	2093	2094	<u>Oregon Station</u>	2381		
	<u>Silver Bay Station</u>	1373	1498	<u>Strumeus sadina</u> (Mitchill)			
	<u>Rhinoptera brazilensis</u> Müller and Henle			<u>Oregon Station</u>	1642	1657 1660	
	<u>Silver Bay Station</u>	1250			2093	2094 2095	
CHIMAERIDAE	<u>Hydrolagus alberti</u> Sigelow and Schroeder				2096	2097 2116	
	<u>Oregon Station</u>	1450	1451 1452		2118	2119 2121	
		1460	1506 1509		2131	2136 2137	
		1519	1521 1527		2157	2167 2168	
		1529	1565 1567		2172	2173 2177	
		1568	1569 1570		2178	2179 2183	
		1571	1574 1576		2380	2428 2431	
		1577	1578 1579		2441	2442 2444	
		1580	1872 1887		2445	2448 2449	
		1913	1923 1933		2455	2471 2472	
	1949	1955 2010		2473	2474 2475		
	2011	2353		2476	2477 2478		
	<u>Silver Bay Station</u>	450	2484		2479	2483 2486	
<u>Hydrolagus mirabilis</u> (Collett)				2487	2488 2489		
<u>Oregon Station</u>	1426			2492	2493 2505		
				2536	2543 2551		
				2553	2559 2687		
				2692	2753 2797		
				2860	2861 2925		
				3013	3015 3039		
				3056			

CLUPEIDAE  
(contd.)

<u>Silver Bay Station</u>	1	4	152
	160	162	163
	242	401	496
	713	727	728
	744	787	816
	1222	1391	1397
	1487	1498	1659
	2487	2070	
<u>Combat Station</u>	496		
<u>Harengula humeralis</u> Cuvier			
<u>Oregon Station</u>	1863		
<u>Silver Bay Station</u>	410		
<u>Harengula majorina</u>			
<u>Oregon Station</u>	2215		
<u>Harengula pensacola</u> Goode and Bean			
<u>Oregon Station</u>	40	122	1649
	1718	1805	1834
	2093	2094	2095
	2097	2098	2099
	2100	2102	2118
	2119	2120	2121
	2122	2123	2124
	2125	2126	2127
	2128	2130	2142
	2143	2144	2145
	2152	2153	2154
	2173	2193	2194
	2223	2374	2375
	2380	2381	2382
	2383	2384	2390
	2391	2392	2393
	2394	2395	2398
	2403	2404	2405
	2406	2407	2408
	2409	2410	2411
	2412	2413	2414
	2415	2416	2418
	2421	2422	2423
	2457	2460	2461
	2462	2473	2474
	2494	2495	2496
	2497	2501	2504
	2505	2526	2551
	2558	2560	2561
	2562	2563	2564
	2585	2586	2587
	2588	2590	2600
	2711	2720	2726
	2729	2753	2797
	2851	2879	2898
	2904	2910	2926
	2928	2993	3022
	3082	3095	3103
	3114	3141	3149
<u>Silver Bay Station</u>	152	153	165
	166	167	168
	169	238	239
	245	246	257
	273		
<u>Harengula</u> sp.			
<u>Oregon Station</u>	771	1974	
<u>Silver Bay Station</u>	2178		
<u>Ilisha argentata</u>			
<u>Oregon Station</u>	2215		
<u>Jenkinsia lamprotaenia</u> (Gosse)			
<u>Oregon Station</u>	1600	1607	1852
	Campeche Bank		
	Arca's Bay		
<u>Silver Bay Station</u>	358	396	816
<u>Jenkinsia</u> sp.			
<u>Oregon Station</u>	1600	1842	1848
	1853		
<u>Odontognathus mucronatus</u> Lacepede			
<u>Oregon Station</u>	2325		
<u>Opisthonema oglinum</u> (Le Sueur)			
<u>Oregon Station</u>	2045	2093	2095
	2096	2098	2099
	2119	2122	2123
	2124	2125	2127
	2128	2130	2135
	2136	2137	2142
	2144	2145	2152
	2205	2206	2218

CLUPEIDAE  
(contd.)

	2374	2375	2379
	2380	2383	2384
	2389	2390	2391
	2392	2393	2394
	2403	2404	2405
	2406	2407	2408
	2411	2412	2413
	2414	2415	2417
	2418	2448	2460
	2461	2462	2469
	2471	2472	2473
	2494	2495	2496
	2497	2504	2511
	2550	2553	2559
	2560	2561	2562
	2563	2564	2590
	2600	2689	2694
	2695	2713	2714
	2715	2716	2717
	2718	2720	2726
	2729	2740	2742
	2753	2797	2851
	2870	2878	2883
	2898	2904	2910
	2914	2928	2967
	3027	3103	3109
	3149		
<u>Silver Bay Station</u>	163	165	166
	167	169	188
	188	191	238
	239	241	351
	352	362	364
	374	498	722
	846	880	900
	914	940	943
	1211	1212	1214
	1226	1227	1240
	1241	1242	1249
	1251	1252	1262
	1264	1284	1285
	1286	1287	1288
	1289	1290	1303
	1307	1309	1310
	1351	1375	2165
	2216		
<u>Combat Station</u>	504		
<u>Sardinella anchovia</u> Valenciennes			
<u>Oregon Station</u>	1489	1600	1639
	1647	1648	1666
	1718	2162	2244
	2428	2432	2438
	2439	2440	2449
	2455	2470	2505
	2531	2532	2534
	2559	2687	2715
	2720	2727	2729
	2742	2910	2928
	3016	3141	
<u>Silver Bay Station</u>	153	161	350
	351	352	372
	391	396	398
	401	411	498
	716	723	725
	846	848	849
	864	916	940
	943	1121	1209
	1214	1222	1231
	1508	2138	
<u>Combat Station</u>	67	203	336
	496	504	
<u>Signalosa atchafalaya</u> Evermann and Kendall			
<u>Oregon Station</u>	2115		
<u>Anchoa hepsetus</u> (Linnaeus)			
<u>Oregon Station</u>	1648	1784	2093
	2117	2152	2193
	2374	2379	2380
	2381	2383	2384
	2390	2391	2392
	2393	2398	2401
	2402	2403	2422
	2498	2501	2502
	2503	2504	2862
<u>Silver Bay Station</u>	1310	1328	
<u>Anchoa mitchilli</u> (Valenciennes)			
<u>Oregon Station</u>	2122	2124	2128
	2130	2193	2386
	2397	2398	2460
	2914	2915	

ENGRAULIDAE

ENGRAULIDAE (contd.)	<u>Silver Bay Station</u>	1747			STOMIATIDAE	<u>Stomias affinis</u> Günther			
	<u>Anchoa</u> sp.					<u>Oregon Station</u>	1423	2567	2570
	<u>Oregon Station</u>	2215				<u>Stomias</u> sp.			
	<u>Anchoviella eurystole</u> (Swain and Meek)					<u>Oregon Station</u>	2779	2945	
	<u>Oregon Station</u>	1489	1647			<u>Bathylagus bericoides</u> (Borodin)			
ALEPOCEPHALIDAE	<u>Anchoviella perfasciata</u> (Poey)				BATHYLAGIDAE	<u>Oregon Station</u>	2548	2944	
	<u>Oregon Station</u>	1380	1600	1824		<u>Bathylagus longirostris</u> Maul			
	<u>Anchoviella</u> sp.					<u>Oregon Station</u>	2507	2944	
	<u>Oregon Station</u>	1602	1605			<u>Bathylagus</u> sp.			
	<u>Alepocephalus productus</u> Gill					<u>Oregon Station</u>	2945		
	<u>Oregon Station</u>	1303			MELANOSTOMIATIDAE	<u>Bathophilus gigliogli</u>			
	<u>Conocara murrayi</u> (Koefoed)					<u>Oregon Station</u>	2944		
	<u>Oregon Station</u>	1303				<u>Bathophilus pawnee</u> Parr			
	<u>Conocara</u> sp.					<u>Oregon Station</u>	1418	1565	2507
	<u>Oregon Station</u>	1426				<u>Echiostoma barbatus</u> Lowe			
	<u>Grimatiroctes bullisi</u> Grey					<u>Oregon Station</u>	796	1940	2548
	<u>Oregon Station</u>	1303				<u>Echiostoma tanneri</u> (Gill)			
	<u>Leptoderma</u> sp.					<u>Oregon Station</u>	2507		
	<u>Oregon Station</u>	1907	1955			<u>Echiostoma</u> sp.			
	<u>Silver Bay Station</u>	1197				<u>Oregon Station</u>	2813	2945	
	<u>Narcetes stomias</u> (Gilbert)					<u>Eustomias bigelowi</u> Welsh			
	<u>Oregon Station</u>	1303				<u>Oregon Station</u>	2573		
	<u>Photostylus pycnopterus</u> Beebe					<u>Eustomias schmidt</u> Regan and Trewavas			
	<u>Oregon Station</u>	2201	2570			<u>Oregon Station</u>	2570		
	<u>Rouleia attritus</u> (Vallant)					<u>Eustomias</u> sp.			
BARBOURISIDAE ?	<u>Oregon Station</u>	1302	1303		STOMIATIDAE	<u>Oregon Station</u>	2012	2944	2945
	<u>Talismania</u> sp.					3102			
	<u>Oregon Station</u>	1907	2011			<u>Flagellostomias</u> sp.			
	<u>Xenodermichthys</u> sp.					<u>Oregon Station</u>	2507		
	<u>Oregon Station</u>	1907	1910			<u>Grammatostomias circularis</u> Morrow			
ARGENTINIDAE	<u>Barbourisia rufa</u> Parr					<u>Oregon Station</u>	2507		
	<u>Pelican Station</u>	49				<u>Haplostomias</u> sp. ?			
	<u>Argentina striata</u> Goode and Bean					<u>Oregon Station</u>	2945		
	<u>Oregon Station</u>	864	1026	1448		<u>Leptostomias ramosus</u> Regan and Trewavas			
		1501	1504	1508		<u>Oregon Station</u>	1425		
MALACOSTEIDAE		1509	1514	1517	MALACOSTEIDAE	<u>Leptostomias</u> sp.			
		1518	1521	1524		<u>Oregon Station</u>	2944		
		1525	1527	1528		<u>Melanostomias bilobatus</u> Koefoed			
		1530	1537	1538		<u>Oregon Station</u>	2573		
		1539	1540	1542		<u>Melanostomias biserialatus</u> Regan and Trewavas			
		1543	1546	1548		<u>Oregon Station</u>	1915		
		1550	1556	1562		<u>Melanostomias</u> sp. ?			
		1565	1784	1868		<u>Oregon Station</u>	2945		
		1872	1883	1915		<u>Photocoetes</u> sp.			
		1923	1983	2547		<u>Oregon Station</u>	2944	2945	
		2658	2669	2670		<u>Idiacanthus fasciola</u> Peters			
		2671	2672	2674		<u>Oregon Station</u>	2570		
		3173				<u>Aristostomias</u> sp.			
	<u>Silver Bay Station</u>	156	157	212		<u>Oregon Station</u>	2191	2945	3102
		217	218	1189		<u>Malacosteus</u> sp. ?			
		1190	1191	1201		<u>Oregon Station</u>	3102		
		1968	2457	2482					
		2731							
MALACOSTEIDAE	<u>Combat Station</u>	281	319	441	MALACOSTEIDAE	<u>Idiacanthus fasciola</u> Peters			
		491				<u>Oregon Station</u>	2570		
	<u>Glossanodon pygmaeus</u> Cohen					<u>Aristostomias</u> sp.			
	<u>Oregon Station</u>	156	550	858		<u>Oregon Station</u>	2191	2945	3102
		1026	(type loc.)			<u>Malacosteus</u> sp. ?			
MALACOSTEIDAE		1868	1902	1983	MALACOSTEIDAE	<u>Oregon Station</u>	3102		
		1985	1989	2057					
	<u>Silver Bay Station</u>	217							
	<u>Combat Station</u>	332	441	475					
		484	488	490					
		491							



MALACOSTEIDAE (contd.)	<u>Photostomias guernei</u> Collett				GONOSTOMATIDAE (contd.)	<u>Gonostoma elongatum</u> (Günther)			
	<u>Oregon Station</u>	1423	2191	2507		<u>Oregon Station</u>	1182	1195	1927
		2570	2944	2945			1940	1954	1955
							2007	2010	2011
	<u>Thaumastomias atrox</u> Alcock						2191	2201	2507
	<u>Oregon Station</u>	2191					2567	2570	2571
ASTRONESTRIDAE	<u>Astronesthes aluceus</u>					<u>Silver Bay Station</u>	453	1182	1195
	<u>Oregon Station</u>	1955					2584		
	<u>Astronesthes filifer</u> Regan and Trewavas					<u>Ichthyococcus ovatus</u> (Cocco) Bonaparte			
	<u>Oregon Station</u>	1895				<u>Oregon Station</u>	2464	2944	
	<u>Astronesthes richardsoni</u> Poey					<u>Margrethia obtusirostris</u> Jespersen and Tåning			
	<u>Oregon Station</u>	1895				<u>Oregon Station</u>	2570		
	<u>Astronesthes</u> sp.					<u>Maurollicus muelleri</u> (Gmelin)			
	<u>Oregon Station</u>	2191	2945	3102		<u>Oregon Station</u>	1189	2578	2799
	<u>Borostomias elucens</u> (Brauer)					<u>Silver Bay Station</u>	1740		
	<u>Oregon Station</u>	1028				<u>Combat Station</u>	444		
	<u>Betrophtus ophistoma</u> Regan and Trewavas					<u>Pollichthys mauli</u> Grey			
	<u>Oregon Station</u>	1955				<u>Oregon Station</u>	1905	1907	2191
CHAULIODONTIDAE	<u>Chauliodus danae</u> Regan and Trewavas						2507	2604	2606
	<u>Oregon Station</u>	2507					3102		
	<u>Chauliodus aloanei</u> Bloch and Schneider					<u>Polymetme corythaeola</u> (Alcock)			
	<u>Oregon Station</u>	1502	1517	1519		<u>Oregon Station</u>	1054	1055	1541
		1521	1524	1525			1565	1566	1574
		1526	1527	1541			1871	1872	1888
		1567	1568	1569			1889	1902	1903
		1570	1572	1574			1919	1921	1943
		1579	1580	1915			1945	1963	1991
		1916	1917	1918			1992	1999	2005
		1923	1924	1928			2285	2352	2606
		1939	1940	1941			2336	2670	2671
		1945	1966	1972			2672	2771	
		1990	1991	1992		<u>Silver Bay Station</u>	2420	2469	2458
		1993	1994	1995			2475		
		1996	1997	1998		<u>Combat Station</u>	271	444	436
		1999	2000	2001			450		
		2002	2003	2004		<u>Scooda megalophthalma</u> Grey			
		2005	2006	2007		<u>Oregon Station</u>	1918	1924	1928
		2008	2009	2010			1931	1933	
		2011	2031	2191		<u>Sonoda paucilampa</u> Grey			
		2200	2378	2507		<u>Oregon Station</u>	2606		
		2773	2615	2823		<u>Combat Station</u>	235		
		2944	2945						
	<u>Silver Bay Station</u>	454	1178	1179		<u>Triplophos hemingi</u> (McArdle)			
		1180				<u>Oregon Station</u>	1907	1916	2007
	<u>Chauliodus</u> sp.						2777		
	<u>Oregon Station</u>	1991	2008	2352		<u>Valeccienellus tripunctulatus</u> (Esmark)			
		2777	2779	2945		<u>Oregon Station</u>	2567	2570	
		3102				<u>Vinciguerria nimbaria</u> (Jordan and Williams)			
GONOSTOMATIDAE	<u>Argyripnus atlanticus</u> Maul					<u>Oregon Station</u>	2191		
	<u>Oregon Station</u>	2644	2645	2646		<u>Vinciguerria poveriae</u> Cocco			
	<u>Combat Station</u>	235				<u>Oregon Station</u>	2507	2570	2573
	<u>Bonapartia pedaliota</u> Goode and Bean					<u>Vinciguerria</u> sp.			
	<u>Oregon Station</u>	2464	2548	2570		<u>Oregon Station</u>	3102		
		2577				<u>Yarrella blackfordi</u> Goode and Bean			
	<u>Combat Station</u>	296				<u>Oregon Station</u>	126	1980	2009
	<u>Cyclothone braueri</u> Jespersen and Tåning						2010	2011	2777
	<u>Oregon Station</u>	2464				<u>Silver Bay Station</u>	1181	1195	
	<u>Cyclothone</u> sp.					<u>Combat Station</u>	450		
	<u>Oregon Station</u>	2823	2945			<u>Yarrella</u> sp.			
	<u>Combat Station</u>	295				<u>Oregon Station</u>	1340	1944	
	<u>Diplopos maderensis</u> (Johnson)								
	<u>Oregon Station</u>	2008				<u>Argyropelecus aculeatus</u> Valenciennes			
	<u>Gonostoma atlanticum</u> Norman					<u>Oregon Station</u>	1555	1872	1905
	<u>Oregon Station</u>	2464	2574	2577			1940	1942	1944
	<u>Gonostoma bathyphilum</u> Vaillant						1945		
	<u>Silver Bay Station</u>	445				<u>Silver Bay Station</u>	442	443	449



STERNOPTICHIDAE  
(contd.)

<u>Combat Station</u>	291	444	
<u>Argyropelecus affinis</u> German			
<u>Oregon Station</u>	1955		
<u>Silver Bay Station</u>	1613	2074	
<u>Combat Station</u>	301	304	
<u>Pelican Station</u>	40		
<u>Argyropelecus bemigymnus</u> Cocco			
<u>Combat Station</u>	296		
<u>Argyropelecus olfersi</u> (Cuvier)			
<u>Oregon Station</u>	1852		
<u>Argyropelecus siademi</u>			
<u>Oregon Station</u>	1340	1870	
<u>Argyropelecus</u> sp.			
<u>Oregon Station</u>	1340	1944	2685
<u>Combat Station</u>	145		
<u>Pelican Station</u>	57		
<u>Polyipnus asteroides</u> Schultz			
<u>Oregon Station</u>	1565	1570	1871
	1906	1913	1955
	2507	2604	2606
	2639	2645	
<u>Silver Bay Station</u>	449	1613	
<u>Combat Station</u>	317	436	
<u>Polyipnus lateratus</u> German			
<u>Oregon Station</u>	1370	1550	1886
	1887	1888	1921
	1922	1924	1940
	1947	2604	
<u>Combat Station</u>	450	460	
<u>Polyipnus</u> sp.			
<u>Oregon Station</u>	2685		
<u>Combat Station</u>	238		
<u>Sternoptyx diaphana</u> Germann			
<u>Oregon Station</u>	349	1013	1303
	1356	1370	1425
	1436	1598	2823
<u>Silver Bay Station</u>	443	1177	1195
<u>Combat Station</u>	224	290	295
	296	300	301
	302	304	305
	312	313	323
	324		
<u>Pelican Station</u>	11	49	
<u>Sternoptyx</u> sp.			
<u>Oregon Station</u>	2823		

## BALOSAURIDAE

<u>Aldrovandia affinis</u> Alcock			
<u>Oregon Station</u>	2813	2814	2820
	2821		
<u>Aldrovandia gracilis</u> Goode and Bean			
<u>Oregon Station</u>	2814	2819	2820
	2821		
<u>Baloesaurus guntheri</u> Goode and Bean			
<u>Oregon Station</u>	1947	1955	2824
<u>Baloesaurus oweni</u> ? Johnson			
<u>Oregon Station</u>	1950		

## NOTACANTHIDAE

<u>Polyacanthotus</u> sp.			
<u>Oregon Station</u>	2824		

## SYNAPHOBANCHIDAE

<u>Synphobranchus affinis</u> Johnson			
<u>Silver Bay Station</u>	446	452	

## SYNAPHOBANCHIDAE

Synphobranchus brevidorsalis Günther

<u>Oregon Station</u>	1303		
<u>Synphobranchus kaupii</u> Johnson			
<u>Oregon Station</u>	1855		
<u>Silver Bay Station</u>	443	445	453
<u>Synphobranchus oregoni</u> Castle			
<u>Oregon Station</u>	640	2822	
<u>Ilyophis brunneus</u> Gilbert			
<u>Oregon Station</u>	2202	2822	
<u>Muraenosox savanna</u> (Cuvier)			
<u>Oregon Station</u>	2347		
<u>Ariosoma aelenops</u> Reid			
<u>Oregon Station</u>	1881	2080	2081
	2082	2268	
<u>Combat Station</u>	446	448	
<u>Ariosoma impressa</u> (Poey)			
<u>Oregon Station</u>	2047	2168	2247
	2267	2285	2297
<u>Silver Bay Station</u>	1376	1393	1791
	2057		
<u>Combat Station</u>	236	461	
<u>Bathycongrus</u> sp. nov.			
<u>Oregon Station</u>	2290	2351	
<u>Combat Station</u>	445		
<u>Bathycongrus dubius</u> (Breder)			
<u>Oregon Station</u>	1548	1869	1886
	1889	1985	2005
	2772		
<u>Silver Bay Station</u>	1190		
<u>Hildebrandia flava</u> (Goode and Bean)			
<u>Oregon Station</u>	2226	2348	2653
<u>Bathycongrus gracillior</u> Ginsburg			
<u>Oregon Station</u>	1345	1868	1879
	1986	1987	2288
	2654	2666	
<u>Bathycongrus thysanochile</u>			
<u>Oregon Station</u>	1878	2653	2639
	2653		
<u>Combat Station</u>	446		
<u>Bathycongrus vicinus</u>			
<u>Oregon Station</u>	1425	2010	2011
<u>Coloconger mesdi</u> Kana'awa			
<u>Oregon Station</u>	1906	1923	2005
	2010	2011	2030
	2031		
<u>Conger oceanicus</u> (Mitchill)			
<u>Silver Bay Station</u>	1212	1268	1329
	2082		
<u>Congrina</u> sp. nov.			
<u>Oregon Station</u>	1921	2005	2021
	2080	2081	
<u>Gnatophis</u> sp. nov.			
<u>Silver Bay Station</u>	1200		
<u>Hoplunnia diomedianus</u> Goode and Bean			
<u>Silver Bay Station</u>	100		
<u>Hoplunnia macrurus</u> Ginsburg			
<u>Oregon Station</u>	27	2329	
<u>Silver Bay Station</u>	187		

CONGRIDAE (contd.)	<u>Hoplunnia tenuis</u> Ginsburg				NEMICHTHYIDAE (contd.)	<u>Labichthys carinatus</u> Gill and Ryder			
	<u>Oregon Station</u>	1986	2288	2329		<u>Oregon Station</u>	2944	2945	
	<u>Combat Station</u>	238				<u>Nemichthys scolopaceus</u> Richardson			
	<u>Hoplunnia</u> sp.					<u>Oregon Station</u>	2944	2945	
	<u>Silver Bay Station</u>	1968				<u>Silver Bay Station</u>	333		
	<u>Neoconger mucronatus</u> Girard					<u>Platuronides ophiocephalus</u> Parr			
	<u>Oregon Station</u>	2916				<u>Oregon Station</u>	1425		
	<u>Paraconger guianensis</u> Kanazawa					<u>Serrivomer</u> sp.			
	<u>Oregon Station</u>	2044	2046			<u>Combat Station</u>	42		
	<u>Paraxenomyxax bidentatus</u> Reid				OPICHTHYIDAE	<u>Letharchus vellifer</u> Goode and Bean			
DYSOMMINIDAE	<u>Oregon Station</u>	1943				<u>Silver Bay Station</u>	1568	2041	2114
	<u>Combat Station</u>	235	236	238		<u>Myxtriophis intertinctus</u> (Richardson)			
	<u>Paraxenomyxax</u> sp. nov.					<u>Silver Bay Station</u>	390		
	<u>Oregon Station</u>	1903	1983	1985		<u>Combat Station</u>	339		
		2005	2024	2026		<u>Ophichthus gomesii</u> (Castlenau)			
		2080	2606	2653		<u>Oregon Station</u>	2297	2315a	
		2654	2656	2666		<u>Ophichthus ocellatus</u> (Le Sueur)			
		2772				<u>Oregon Station</u>	2015		
	<u>Combat Station</u>	447	448			<u>Silver Bay Station</u>	243	244	1259
	<u>Promyllantor perturbator</u> Parr					<u>Combat Station</u>	164	386	454
NETTASTOMIDAE	<u>Oregon Station</u>	1922	1929			<u>George M. Bowers Station</u>	50		
	<u>Promyllantor schmitti</u> Hildebrand				MURAENIDAE	<u>Ophichthus</u> sp.			
	<u>Oregon Station</u>	1906	2009	2822		<u>Oregon Station</u>	2076		
	<u>Uroconger eyringinus</u> Ginsburg					<u>Scytalophis parilis</u>			
	<u>Oregon Station</u>	2208	2288			<u>Oregon Station</u>	2229		
	<u>Dysomma aphododera</u> Ginsburg					<u>Sphagebranchus anguliformis</u> (Peters)			
	<u>Oregon Station</u>	2346				<u>Combat Station</u>	455		
	<u>Dysommia rugosa</u> Ginsburg					<u>Verma kendalli</u> (Gilbert)			
	<u>Oregon Station</u>	2777				<u>Silver Bay Station</u>	1739		
	<u>Silver Bay Station</u>	1190				<u>Anarchias yoshiae</u> Kanazawa			
	<u>Combat Station</u>	82	84	308		<u>Silver Bay Station</u>	1971		
NETTASTOMIDAE		310				<u>Gymnothorax moringa</u> (Cuvier)			
	<u>Pelican Station</u>	36				<u>Silver Bay Station</u>	110	407	
	<u>Nettastoma melanurum</u> Rafinesque					<u>Gymnothorax nigromarginatus</u> (Girard)			
	<u>Oregon Station</u>	2822				<u>Oregon Station</u>	2268		
	<u>Silver Bay Station</u>	2458				<u>Silver Bay Station</u>	43		
	<u>Nettastoma</u> sp.					<u>Gymnothorax ocellatus</u> Agassiz			
	<u>Oregon Station</u>	2011	2030	2039		<u>Oregon Station</u>	1531	1532	1535
	<u>Combat Station</u>	449	450				1536	1705	1706
	<u>Saurencylys</u> sp.						1712	1716	1719
	<u>Oregon Station</u>	944	2653				1724	1928	1995
BOCELIDAE	<u>Venefica procera</u> (Goode and Bean)						1996	1997	1998
	<u>Oregon Station</u>	1303	1955				2000	2019	2032
	<u>Venefica</u> sp.						2035	2044	2045
	<u>Oregon Station</u>	2202					2046	2052	2203
	<u>Ahlia egmontis</u> Jordan						2514	2517	2537
	<u>Oregon Station</u>	1850				<u>Silver Bay Station</u>	37	161	162
	<u>Silver Bay Station</u>	371					163	164	170
	<u>George M. Bowers</u>	Barracuda Key				<u>Combat Station</u>	68	452	
	<u>Myrophis punctatus</u> Lütken					<u>Gymnothorax saxicla</u> Jordan and Davis			
	<u>Oregon Station</u>	2				<u>Silver Bay Station</u>	70	406	1360
NEMICHTHYIDAE	<u>Parabathymyrus</u> sp. nov.				ARIIDAE	<u>Gymnothorax</u> sp.			
	<u>Oregon Station</u>	1987	2022	2656		<u>Silver Bay Station</u>	2008		
	<u>Avocettina</u> sp.					<u>Bagre marinus</u> (Mitchill)			
	<u>Oregon Station</u>	2507	2944	2945		<u>Oregon Station</u>	1627	1640	1660
	<u>Combat Station</u>	85					1661	1784	2009
							2055	2056	2067

ARIIDAE (contd.)	2075	2126	2127	SYNOBONTIDAE (contd.)	<u>Silver Bay Station</u>	12	51	91
	2128	2209	2393			108	154	155
	2406	2488	2493			156	351	401
	2866	2869	2878			431	438	441
	2881	2904	2993			2391	2457	2464
	3027	3046	3053			2468	2472	2476
	3114					2482		
<u>Silver Bay Station</u>	165	169	170		<u>Combat Station</u>	76		
	187	241	242					
	243	244	245		<u>Pelican Station</u>	16		
	303	929						
<u>Galeichthys felis</u> (Linnaeus)					<u>Saurida parri</u> Norman			
<u>Oregon Station</u>	1642	1647	1648		<u>Oregon Station</u>	1345		
	1649	1650	1716					
	1717	1718	1719		<u>Saurida suspicio</u>			
	1740	1750	1759		<u>Oregon Station</u>	2610	2631	
	1783	1784	2101					
	2124	2127	2142		<u>Synodus cinereus</u> Hildebrand			
	2153	2154	2381		<u>Oregon Station</u>	2630		
	2384	2385	2386					
	2390	2391	2393		<u>Synodus foetens</u> (Linnaeus)			
	2394	2397	2398		<u>Oregon Station</u>	1494	1495	1496
	2406	2407	2408			1499	1500	1513
	2410	2411	2413			1531	1532	1533
	2414	2419	2420			1534	1535	1600
	2423	2431	2458			1627	1628	1637
	2461	2462	2493			1638	1639	1641
	2494	2495	2496			1647	1650	1652
	2497	2498	2501			1654	1655	1656
	2502	2503	2504			1657	1658	1660
	2524	2549	2550			1661	1662	1663
	2559	2560	2561			1664	1669	1669
	2562	2563	2564			1670	1671	1690
	2590	2600	2676			1694	1701	1702
	2653	2866	2869			1703	1704	1705
	2678	2898	2904			1708	1709	1710
	2910	2926	2933			1713	1715	1716
	2967	2984	3027			1717	1718	1719
	3066	3078	3082			1725	1728	1729
	3114	3124	3138			1749	1758	1762
	3141					1763	1788	1789
<u>Silver Bay Station</u>	152	162	163			1790	1791	1800
	165	166	167			1802	1803	2076
	168	169	170			2095	2101	2111
	188	189	238			2122	2123	2224
	239	241	242			2236	2262	2268
	243	244	245			2325	2327	2373
	258	303				2375	2376	2380
<u>Pelican Station</u>	8					2398	2408	2537
EVERMANNELLIDAE						2566	2567	2613
<u>Evermannella normalops</u> Parr						2910	2926	2933
<u>Oregon Station</u>	2945					2967	2984	3013
<u>Evermannella</u> spp.						3082	3114	3124
<u>Oregon Station</u>	2191				<u>Silver Bay Station</u>	1	3	4
AULOPIDAE						5	6	8
<u>Aulopus anae</u> Mead						9	10	12
<u>Silver Bay Station</u>	1200					14	81	88
SYNOBONTIDAE						90	91	109
<u>Saurida brasiliensis</u> Norman						110	111	152
<u>Oregon Station</u>	1303	1345	1600			153	158	159
	1607	1654	1876			160	161	162
	1890	2041	2231			163	164	165
	2238	2241	2248			166	167	168
	2268	2275	2344			176	177	178
	2348	2626	2631			179	180	187
	2632	2649				189	190	191
<u>Silver Bay Station</u>	2456	2464	2467			194	195	197
	2471	2472	2482			198	200	201
	2487					202	203	204
<u>Combat Station</u>	164	509				206	208	210
<u>Pelican Station</u>	16					238	239	240
<u>Saurida caribbaea</u> Breder						261	263	274
<u>Oregon Station</u>	1342	1784	1868			276	279	281
	1883	1903	1989			344	360	460
	2244	2633	2634			461	709	800
	2644	2658				841	843	845
<u>Silver Bay Station</u>	2482					846	856	864
<u>Saurida normani</u> Longley						880	915	919
<u>Oregon Station</u>	1496	1500	1532			929	940	970
	1556	1558	1559			1005	1007	1008
	1640	1868	1876			1062	1085	1120
	1878	1903	1925			1204	1218	1228
	1986	1989	1993			1238	1240	1242
	2001	2003	2016			1243	1249	1253
	2021	2203	2231			1254	1259	1286
	2246	2259	2261			1287	1288	1289
	2273	2275	2464			1290	1320	1345
	2606	2623				1351	1485	1508
						1518	1537	1554
						1664	1742	2077
						2078	2083	2133
						2143	2149	2165
						2409	2411	2438
						2439	2440	2441
						2451	2525	2537
						2578	2580	2581
					<u>Combat Station</u>	158		

SYNOdontIDAE  
(contd.)

<u>Pelican Station</u>	7	8	16
	21	39	
<u>George M. Bowers Station</u>	235		
<u>Synodus inereus</u>			
	Bahamas, 1 mile West of Cat Cay, 6 fathoms, 7-22-55		

Synodus intermedius (Agassiz)

<u>Oregon Station</u>	1004	1026	1553
	1698	1875	1876
	1935	1937	2245
	2262	2607	2608
	2623	2624	2649
<u>Silver Bay Station</u>	110	411	431
	1208	1233	1523
	2147	2409	2410
	2411	2438	2451
<u>Combat Station</u>	66	67	68
	69	71	108
	158	164	509

<u>George M. Bowers Station</u>	235
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Synodus poyi Jordan

<u>Oregon Station</u>	916	944	1004
	1600	1866	1867
	1873	1875	1876
	1877	1882	1890
	2016	2017	2021
	2032	2035	2036
	2044	2045	2062
	2074	2233	2236
	2238	2241	2245
	2247	2248	2249
	2250	2251	2263
	2273	2274	2275
	2281	2288	2301
	2304	2321a	2603
	2616	2621	2626
	2630	2632	2654
<u>Silver Bay Station</u>	1505	1742	2395
	2409	2438	2439
	2467	2476	
<u>Combat Station</u>	383		

Synodus saurus

<u>Oregon</u>	Bahamas, 1 mile West of Cat Cay		
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Synodus synodus (Linnaeus)

<u>Oregon Station</u>	1892	2607	2623
	2624		
<u>Silver Bay Station</u>	2170	2359	2369
	2719		
<u>Combat Station</u>	236		

Trachinocephalus myops (Forster)

<u>Oregon Station</u>	1074	1145	1183
	1365	1367	1374
	1580	1477	1559
	1583	1593	1600
	1602	1605	1637
	1699	1863	2000
	2019	2035	2036
	2046	2063	2074
	2077	2078	2089
	E091	2249	2261
	2544		
<u>Silver Bay Station</u>	364	390	393
	401	749	916
	1211	1212	1219
	1220	1233	1247
	1268	1341	1345
	1501	1504	2157
	2376	2409	2411
	2439	2451	2494
	2500	2511	2525
	2536	2542	
<u>Combat Station</u>	66	67	68
	69	71	101
	159	320	348
	383	392	424
	496	497	498
	501		

SYNOdontIDAE  
(contd.)  
PARALEPIDIDAE

<u>Pelican Station</u>	32
<u>Lestidium pseudosphraenoides</u> (Ege)	

<u>Oregon Station</u>	1944
<u>Lestidium affine</u> (Ege)	

<u>Oregon Station</u>	1305
<u>Stemonosudis</u> sp.	

<u>Oregon Station</u>	1598
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## SUDIDAE

Chlorophthalmus agassizi Bonaparte

<u>Oregon Station</u>	1871	1887	1919
	1920	1921	1981
	1984	2008	

<u>Silver Bay Station</u>	211	212	217
	226	227	228
	454	1185	1190
	1193	1551	1605
	1607	1610	1619
	2420	2483	

<u>Combat Station</u>	177	183	218
	224	284	285
	286	288	289
	300	303	313
	316	317	319
	322	323	324
	332	430	431
	433	434	435
	436	438	439
	441	442	455
	458	462	467
	472	473	475
	477	479	480
	483	484	485
	487	491	

<u>Pelican Station</u>	34	36	38
	40	43	

Chlorophthalmus braziliensis Mead

<u>Oregon Station</u>	2082	2083
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Chlorophthalmus chalybaeus (Goode)

<u>Oregon Station</u>	1026	1380	1455
	1501	1504	1505
	1525	1527	1528
	1529	1530	1537
	1538	1539	1540
	1541	1542	1543
	1546	1548	1550
	1872	1971	2008
	2825		

<u>Silver Bay Station</u>	441	442	449
	454		

<u>Combat Station</u>	436	438	439
	441	444	

<u>Pelican Station</u>	10	11	13
	17	18	20
	29	57	

Parasudis truculentus (Goode and Bean)

<u>Oregon Station</u>	1441	1501	1504
	1505	1506	1509
	1517	1518	1519
	1521	1525	1526
	1527	1528	1530
	1537	1539	1540
	1541	1542	1543
	1546	1547	1562
	1563	1564	1565
	1567	1568	1570
	1573	1574	1578
	1580	1872	1885
	1889	1919	1922
	1959	1961	1963
	1964	1966	1968
	1971	1981	1984
	1989	1994	2004
	2005	2007	2008
	2012	2022	2023
	2024	2025	2027
	2029	2633	2635
	2636	2650	2651
	2656	2658	2772

<u>Silver Bay Station</u>	226	1178	1185
	1190	2902	

<u>Combat Station</u>	211	319	439
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## BATHYPTEROIDAE

Bathypterois bigelovi Mead

<u>Oregon Station</u>	1843	1906	1908
	1909	1910	1911
	1912	1913	1914
	1915	1917	2824

Bathypterois phenax Parr

<u>Oregon Station</u>	1303	2821
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Bathypterois quadrifilis Günter

<u>Oregon Station</u>	1955
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Bathypterois viridensis Roule

<u>Oregon Station</u>	1906	1907	1914
	1915		

Bathytphiops marionae Mead

<u>Oregon Station</u>	1955
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## BENTHOSAURIDAE

Benthosaurus grallator Goode and Bean

<u>Oregon Station</u>	1303	2820
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## MYCTOPHIDAE

Aethoprora effulgeus Goode and Bean

<u>Oregon Station</u>	1906
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Aethoprora metopoclampa (Cocco)

<u>Oregon Station</u>	1915
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Benthosema simile Tåning

<u>Oregon Station</u>	1028
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Benthosema suborbitale (Gilbert)

<u>Oregon Station</u>	2570	2573	2575
	2817		

Centrobranchus nigro-ocellatus Günter

<u>Oregon Station</u>	1365	1374	2569
	2789	2820	2868

Ceratoscopelus maderensis (Lowe)

<u>Silver Bay Station</u>	2902
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Ceratoscopelus townsendi (Eig and Eig)

<u>Oregon Station</u>	2191	2570	2575
	2576	2944	2945

Diaphus brachycephalus (Tåning)

<u>Oregon Station</u>	2464
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<u>Silver Bay Station</u>	2583
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Diaphus dumerilii (Bleeker)

<u>Oregon Station</u>	1340	1370	2186
	2201	2378	2396
	2464	2574	2576
	2604	2635	2644
	2648	2654	2655
	2666	2788	2803

<u>Silver Bay Station</u>	1184	1188	1201
	2074	2076	

Diaphus garmani Gilbert

<u>Oregon Station</u>	2186	2604	2606
	2544	2768a	2775
	2781	2788	

Diaphus holti Tåning

<u>Oregon Station</u>	2573
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Diaphus lucildus (Goode and Bean)

<u>Oregon Station</u>	2191	2200	2507
	2566	2576	2671
	2823	2945	

Diaphus macrophus (Parr)

<u>Silver Bay Station</u>	2469	2583
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<u>Combat Station</u>	447
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MYCTOPHIDAE  
(contd.)Diaphus mollis (Tåning)

<u>Oregon Station</u>	2464	2507	2570
	2576	2944	2945

Diaphus rafinesque (Cocco)

<u>Oregon Station</u>	2507	2574
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Diaphus taaningi (Norman)

<u>Oregon Station</u>	2378	2396	2944
	2945		

Diaphus termophilus (Tåning)

<u>Oregon Station</u>	2464	2775
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<u>Silver Bay Station</u>	1613	2583
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Diaphus spp.

<u>Oregon Station</u>	1902	1903	1933
	1942		

<u>Silver Bay Station</u>	211	441	451
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<u>Combat Station</u>	295	296	300
	301	302	303
	306	436	391

Diogenichthys atlanticus Tåning

<u>Oregon Station</u>	2570
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Conichthys coccoi (Cocco)

<u>Oregon Station</u>	2396	2574	2945
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Rygophum hygomi (Lütken)

<u>Oregon Station</u>	2944	2945
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Silver Bay Station

	2584
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Rygophum macrochir (Günther)

<u>Oregon Station</u>	2191	2570	2573
	2766b	2784	2795

Rygophum reinhardtii (Lütken)

<u>Oregon Station</u>	2191	2945
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Combat Station

	287
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Lampadena nitida Tåning

<u>Oregon Station</u>	2191	2945	3221
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Lampadena sp.

<u>Oregon Station</u>	1928	2191	2944
	2945		

Lampanyctus alatus (Goode and Bean)

<u>Oregon Station</u>	1028	2507	2570
	2573	2576	2577
	2944	2945	

Lampanyctus ater (Tåning)

<u>Oregon Station</u>	2817	2823	2944
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Lampanyctus cuprarius Tåning

<u>Oregon Station</u>	2507
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Lampanyctus festivus Tåning

<u>Oregon Station</u>	2191
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Lampanyctus guentheri Goode and Bean

<u>Combat Station</u>	436
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Lampanyctus linceatus Tåning

<u>Oregon Station</u>	2576	2823	2944
	2945		

Lampanyctus macropterus (Brauer)

<u>Oregon Station</u>	2191
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Combat Station

	296
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Lampanyctus supralateralis Parr

<u>Combat Station</u>	197	301
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MYCTOPHIDAE  
(contd.)

<u>Lampanyctus</u> sp.			
<u>Oregon</u> Station	2945		
<u>Silver Bay</u> Station	446		
<u>Combat</u> Station	295	302	
<u>Lepidophanes guntheri</u> (Goode and Bean)			
<u>Oregon</u> Station	2191	2507	2508
	2573	2768a	2944
	2945		
<u>Silver Bay</u> Station	1195		
<u>Lepidophanes pyrsobolus</u> (Alcock)			
<u>Oregon</u> Station	2191	2570	
<u>Lepidophanes supralateralis</u> (Parr)			
<u>Oregon</u> Station	2454	2507	2570
	2823	2824	
<u>Lepidophanes</u> sp.			
<u>Oregon</u> Station	1918	1924	1933
<u>Lobianchia gemellari</u> (Cocco)			
<u>Oregon</u> Station	2201	2570	
<u>Myctophum affine</u> (Lütken)			
<u>Oregon</u> Station	1128	1185	1356
	1365	1370	1372
	1374	1591	1593
	1599	1602	1606
	1824	2571	2782a
	2784	2944	
<u>Silver Bay</u> Station	2469		
<u>Combat</u> Station	287	443	
<u>Myctophum asperum</u> Richardson			
<u>Oregon</u> Station	1605	2569	
<u>Combat</u> Station	287		
<u>Myctophum nitidulum</u> Garman			
<u>Oregon</u> Station	1133	1365	1370
	2763	2782a	2784
	2789	2944	2945
<u>Silver Bay</u> Station	447		
<u>Combat</u> Station	287		
<u>Myctophum obtusirostris</u> Tåning			
<u>Oregon</u> Station	1602	2774	
<u>Silver Bay</u> Station	1195		
<u>Myctophum rufinum</u> (Tåning)			
<u>Oregon</u> Station	1605	2191	
<u>Myctophum selenops</u> (Tåning)			
<u>Oregon</u> Station	1903	1921	
<u>Combat</u> Station	237	445	446
<u>Myctophum</u> sp.			
<u>Oregon</u> Station	1572		
<u>Neoscopelus macrolepidotus</u> Johnson			
<u>Oregon</u> Station	1418	1917	
<u>Silver Bay</u> Station	2421	2475	2483
<u>Combat</u> Station	450		
<u>Notoscopelus caudispinosus</u> (Johnson)			
<u>Oregon</u> Station	2191	2508	2945
<u>Notoscopelus resplendens</u> (Richardson)			
<u>Oregon</u> Station	2191	2570	2573
	2577	2945	

OMOSUDIDAE

Omosudia lowei (Günther)

<u>Oregon</u> Station	1370
<u>Combat</u> Station	295

ALEPISAUROIDAE

Alepisaurus ferox Love

<u>Oregon</u> Station	1430	1431	1432
	1434	1435	1436
	1437	1438	1440
	1473	1474	1475
	1476	1481	1482
	1484	1486	1490
	1582	1588	1590
	1594	1596	1598
	1609	1612	1617
	1619	1622	1626
	1862	1896	1897
	1898	1900	2765
	2768		
<u>Combat</u> Station	295		

CETOMIMIDAE

Cetomimus gilli Goode and Bean

<u>Oregon</u> Station	2823
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Cetosoma regani

<u>Oregon</u> Station	2815	2821
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ATELOPOIDAE

Ilimaea antillarum Rivero

<u>Oregon</u> Station	1442	1445	1567
	1568	1569	1570
	1573	1574	1872
	1942	1965	1969
<u>Combat</u> Station	85	300	436
	442	453	

Ilimaea loppel Roule

<u>Oregon</u> Station	635
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IPNOPIDAE

Ipnops murrayi Günther

<u>Oregon</u> Station	2820	2821
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RELOPIDAE

Ablennes hlans (Valenciennes)

<u>Oregon</u> Station	1183	1602	1605
	1608		cruise (surface)

Strongylura acus (Lacépède)

<u>Oregon</u> Station	1605
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Strongylura arcolea (Cuvier and Valenciennes)

<u>Oregon</u> Station	1600
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Strongylura sp.

<u>Oregon</u> Station	1665
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HEMIRAMPHIDAE

Euleptorhamphus viridis (Poey)

<u>Oregon</u> Station	1174	1183	1863
	2308		
<u>Silver Bay</u> Station	215		
<u>Combat</u> Station	328		

Hemiramphus binae Le Sueur

<u>Combat</u> Station	328	343	443
	12/5	and 6/56	

Hemiramphus brasiliensis (Linnaeus)

<u>Oregon</u> Station	1174	1183	1600
	1602	1605	
<u>Combat</u> Station	68	443	12/5
	and 6/56		

Hyporhamphus unifasciatus (Ranzani)

<u>Oregon</u> Station	1607
<u>Silver Bay</u> Station	2139



## EXOCOETIDAE

<u>Cypselurus</u> <u>combatus</u> (Mitchill)			
<u>Oregon</u> Station	surface		
<u>Cypselurus</u> <u>cyanopterus</u> (Valenciennes)			
<u>Oregon</u> Station	1174 1183 1234 1372 1602 1605		
<u>Cypselurus</u> <u>exsiliens</u> (Linnaeus)			
<u>Oregon</u> Station	1183		
<u>Cypselurus</u> <u>furcatus</u> (Mitchill)			
<u>Oregon</u> Station	1438 1477 1587 2672 1183		
<u>Combat</u> Station	82		
<u>Cypselurus</u> <u>heterurus</u> (Rafinesque)			
<u>Oregon</u> Station	1183 1489 1587 1591 1593 1597 1598 1600 1602 1605 2172 2201 2268 2672		
<u>Silver Bay</u> Station	2172 2201 2268		
<u>Cypselurus</u> <u>lineatus</u> (Cuvier and Valenciennes)			
<u>Oregon</u> Station	1489		
<u>Cypselurus</u> <u>lutkeni</u> (Jordan and Evermann)			
<u>Silver Bay</u> Station	301		
<u>Exocoetus</u> <u>obtusirostris</u> Günther			
<u>Oregon</u> Station	1183 1145 1937		
<u>Silver Bay</u> Station	1792 2139 2172 2201		
<u>Hirundichthys</u> <u>affinis</u> (Günther)			
<u>Oregon</u> Station	1489 2139 2172 2857		
<u>Silver Bay</u> Station	396		
<u>Oxyporhamphus</u> <u>micropterus</u> (Valenciennes)			
<u>Oregon</u> Station	1356 1365 1370 1589 1591 1593		
<u>Oxyporhamphus</u> <u>micropterus</u> <u>similis</u> (Brunn)			
<u>Oregon</u> Station	1064 1145 1174 1183		
<u>Parexocoetus</u> <u>brachypterus</u> (Richardson)			
<u>Oregon</u> Station	1174 1234 1370 1372 1489 1583 1585 1587 1589 1591 1623 1894 2005 2249 2250 2263		
<u>Silver Bay</u> Station	403 2132 2172 2201 2268		
<u>Parexocoetus</u> <u>brachypterus</u> <u>hillebrandi</u> (Richardson)			
<u>Oregon</u> Station	1174 1234 1599 1600 1602 1605 2857		
<u>Parexocoetus</u> <u>brachypterus</u> <u>littoralis</u> (Richardson)			
<u>Silver Bay</u> Station	396		
<u>Prognichthys</u> <u>gibbifrons</u> (Valenciennes)			
<u>Oregon</u> Station	1145 1174 1183 1368 1370 1372 1489 1589 1832 2857		
<u>Silver Bay</u> Station	2172 2201 2268		
<u>Prognichthys</u> <u>rondeletti</u> (Valenciennes)			
<u>Oregon</u> Station	1174 1183 1483 1489 1583 1623		

## MACROURIDAE

<u>Bathygadus</u> <u>favosus</u> Goode and Bean			
<u>Oregon</u> Station	1955		
<u>Bathygadus</u> <u>macrops</u> Goode and Bean			
<u>Oregon</u> Station	1450 1907		
<u>Bathygadus</u> <u>vallanti</u> (of Parr) or Roule and Angel?			
<u>Oregon</u> Station	1907 1955		
<u>Bathygadus</u> sp.			
<u>Oregon</u> Station	2773		
<u>Silver Bay</u> Station	1197		
<u>Coelorhynchus</u> <u>caribbaeus</u> (Goode and Bean)			
<u>Oregon</u> Station	1926 2005 2652		
<u>Silver Bay</u> Station	3095		
<u>Coelorhynchus</u> <u>carminatus</u> (Goode)			
<u>Oregon</u> Station	1450 1885 1915 1917 1919 1922 1963 2005 2775		
<u>Silver Bay</u> Station	211 212 213 216 217 223 224 225 226 227 228 229 230 441 458		
<u>Combat</u> Station	186 289 290 291 293 296 300 312 313 314 315 322 323 325 329 331 332 430 431 435 436 439 441 459 462 472 473 474 483 484		
<u>Pelican</u> Station	10 13 36 37 49 77		
<u>Coelorhynchus</u> spp.			
<u>Oregon</u> Station	1870 1871 1883 1903 2285 2777		
<u>Silver Bay</u> Station	452 2469 2902		
<u>Gadomus</u> <u>arcuatus</u> (Goode and Bean)			
<u>Oregon</u> Station	1906 1908 1915 1955		
<u>Gadomus</u> <u>longifilis</u> (Goode and Bean)			
<u>Oregon</u> Station	1906 1909 1910 1911 1914 1955		
<u>Silver Bay</u> Station	445 453		
<u>Gadomus</u> sp.			
<u>Silver Bay</u> Station	1197		
<u>Greburus</u> <u>grenadae</u>			
<u>Oregon</u> Station	1955		
<u>Hymenocephalus</u> <u>cavernosus</u> (Goode and Bean)			
<u>Oregon</u> Station	1450 1872 1885 1906 1907 1908 1909 1910 1911 1915 1917 1924 1945 2005 2088		
<u>Silver Bay</u> Station	3095		
<u>Hymenocephalus</u> sp.			
<u>Oregon</u> Station	2777		
<u>Malacocephalus</u> <u>occidentalis</u> Goode and Bean			
<u>Oregon</u> Station	1450 1869 1872 1883 1887 1989		
<u>Silver Bay</u> Station	212 213 217 218 224 225 226 227 471 1607 1610 1611		
<u>Combat</u> Station	292 295 296 300 301 314		



GADIDAE (Contd.)	<u>Urophycis regius</u> (Walbaum)			
	<u>Silver Bay Station</u>	211 214 224 227 230 459 1275 1283 1636 2067 2539	212 222 225 228 457 460 1279 1342 1694 2068 2498	213 223 226 229 458 1269 1282 1498 2064 2498
	<u>Combat Station</u>	284 289 296 315 332 357 410 438 442 454 471 489	285 290 313 325 333 372 433 439 448 458 475 491	288 291 314 330 334 383 435 441 453 462 484 530
	<u>Pelican Station</u>	36	40	
	<u>Urophycis tenuis</u> (Mitchill)			
	<u>Silver Bay Station</u>	3075		
	<u>Pelican Station</u>	41		
MERLUCIIDAE	<u>Merluccius albidus</u> (Mitchill)			
	<u>Oregon Station</u>	1026 1445 1451 1454 1460 1504 1540 1543 1547 1551 1563 1567 1570 1576 1579 1962 1965 1971	1441 1448 1452 1455 1501 1538 1541 1545 1548 1556 1564 1568 1573 1577 1580 1963 1966 1985	1442 1450 1453 1456 1502 1539 1542 1546 1550 1562 1565 1569 1574 1578 1581 1964 1968
	<u>Merluccius albidus</u> (Mitchill)			
	<u>Silver Bay Station</u>	211 214 220 225 228 231 234 442 463 470 1178 1181 1192 1196 1203 1604 1609 1612 2062 2065 2070 2075 2470	212 216 221 226 229 232 235 452 468 486 1179 1185 1193 1198 1282 1605 1610 1619 2063 2068 2073 2076 2421	213 217 224 227 230 233 249 457 469 1177 1180 1190 1194 1551 1607 1611 1739 2064 2069 2074 2173 2458
	<u>Combat Station</u>	177 289 301 314 319 325 410 435 458 476 484	286 293 303 314 323 332 436 438 462 475 491	288 300 312 316 324 357 436 441 473 483
	<u>Pelican Station</u>	9 37	11 27	22

LAMPRIDAE	<u>Lampris regius</u> (Bonnaterre)			
	<u>Oregon Station</u>	1582		
BOTHIDAE	<u>Ancylorsetta cycloides</u> Tyler			
	<u>Oregon Station</u>	1894 2021 2232	1904 2221 2286	1987 2251 2290
	<u>Ancylorsetta dillecta</u> (Goode and Bean)			
	<u>Oregon Station</u>	602 2647	945	957
	<u>Silver Bay Station</u>	154 1670 2390	460 2381 2468	480 2384
	<u>Combat Station</u>	384		
	<u>Ancylorsetta kumpane</u>			
	<u>Oregon Station</u>	2017 2310	2061 2329	2276
	<u>Ancylorsetta quadrocellata</u> Gill			
	<u>Oregon Station</u>	2862 2898 2926	2885 2909 2953	2890 2910
	<u>Silver Bay Station</u>	14 1210 1226 1231 1240 1250 1273 1353 1391 1525 1754 2158 2579	41 1212 1227 1237 1241 1259 1286 1385 1393 1553 1900 2525 2593	656 1213 1228 1238 1247 1270 1348 1390 1498 1726 1922 2578 2898
	<u>Bothus lunatus</u> (Linnaeus)			
	<u>Oregon</u>	Serrana Bank		
	<u>Silver Bay Station</u>	2451		
	<u>Bothus ocellatus</u> (Agassiz)			
	<u>Oregon Station</u>	892 1982 1996 2019 2044 2049 2091 2246 2613 2626	963 1935 2000 2035 2045 2054 2252 2249 2615 2630	1004 1938 2018 2036 2047 2071 2241 2301 2616
	<u>Silver Bay Station</u>	117 1219 1234 1507 1537 1655 2080 2354 2410 2439 2494 2507 2525	576 1220 1235 1523 1566 1864 2158 2357 2411 2440 2495 2511 2543	712 1233 1237 1536 1622 1867 2288 2407 2438 2441 2496 2512
	<u>Combat Station</u>	353	516	574
	<u>George M. Bowers Station</u>	30		
	<u>Bothus</u> sp.			
	<u>Silver Bay Station</u>	417	422	
	<u>Chascanopsetta lugubris</u> Alcock			
	<u>Oregon Station</u>	1537 1870 2007 2080	1541 1885 2008 2083	1543 2005 2025
	<u>Silver Bay Station</u>	478	2457	
	<u>Combat Station</u>	420		

**BOTRIDAE**  
(contd.)

Citharichthys arcifrons Goode

<u>Silver Bay</u> Station	211	212	213
	214	216	217
	220	222	223
	224	225	226
	227	228	438
	458	459	466
	469	470	471
	1552	1670	
<u>Combat</u> Station	286	300	458
	475	485	490
	491	493	494

Citharichthys cornutus (Günther)

<u>Oregon</u> Station	1025	1341	1867
	1987	2066	2080
	2622		
<u>Silver Bay</u> Station	458	459	2429
	2430	2464	2467
	2470		
<u>Combat</u> Station	453		

Citharichthys dinoceros (Goode and Bean)

<u>Oregon</u> Station	236	1026	1345
<u>Silver Bay</u> Station	2464	2468	2470
	2471		
<u>Combat</u> Station	236		

Citharichthys macrops Dresel

<u>Oregon</u> Station	998		
<u>Silver Bay</u> Station	128	145	148
	152	647	1211
	1238	1239	1273
	1285	1286	1287
	1307	1309	1329
	1338	1345	1348
	1361	1523	1528
	1529	1535	1536
	1553	1554	1564
	1566	1622	1664
	1722	1733	1734
	2183		
<u>Combat</u> Station	516	523	524

Citharichthys spilopterus Günther

<u>Oregon</u> Station	2038		
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Citharichthys sp.

<u>Silver Bay</u> Station	1671	2445	2480
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Cyclopsetta chittendeni Bean

<u>Oregon</u> Station	2074	2076	2208
	2225	2226	2231
	2238	2310	2898
<u>Silver Bay</u> Station	3	5	12
	281		

Cyclopsetta fimbriata (Goode and Bean)

<u>Oregon</u> Station	1937	1938	2248
	2613	2626	2631
<u>Silver Bay</u> Station	374	712	1237
	1239	1268	1345
	1390	1535	1557
	1568	1734	1811
	2057	2134	2285
	2287	2395	2410
	2439	2470	2507
	2523	2525	2591
	2593	2825	2946

Engyophrys sentus Ginsburg

<u>Oregon</u> Station	1088	2019	2032
	2045	2051	2075
	2249	2250	2251
	2298	2301	2304
<u>Silver Bay</u> Station	2382	2383	2407

**BOTRIDAE**  
(contd.)

Engyophrys sp.

<u>Oregon</u> Station	2032	2248	2250
	2301		

Stropus crossotus Jordan and Gilbert

<u>Oregon</u> Station	2310		
<u>Silver Bay</u> Station	241	1286	1287
	1288	1290	1553
	3024		

Stropus microstomus (Gill)

<u>Silver Bay</u> Station	1239	1240	1553
	2721	2892	
<u>Combat</u> Station	383		
<u>Pelican</u> Station	16		

Stropus rimosus Goode and Bean

<u>Silver Bay</u> Station	1227	1228	1238
	1263	1264	1309
	1522	1523	1529
	1553	1566	1733
	2552a	2578	2806
	2913	2923	
<u>Combat</u> Station	337		

Gastropsetta frontalis Bean

<u>Silver Bay</u> Station	1342	2361	2389
	2392	2398	2409
<u>Pelican</u> Station	16		
<u>George M. Bowers</u> Station	35		

Siploglossina oblonga (Mitchill)

<u>Silver Bay</u> Station	212	214	216
	217	218	223
	463	467	469
	471	486	1279
	1551	1552	1604
	1608	1635	1670
	2190	3082	
<u>Combat</u> Station	401	419	430
	435	441	453
	458	459	471
	490	491	493
	494		

Pelican Station

	57		
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Monolene antillarum Norman

<u>Oregon</u> Station	1026	1189	1981
	1983	1985	1989
	2203	2285	
<u>Silver Bay</u> Station	2420	3082	3085
	3095		
<u>Combat</u> Station	216	300	319
<u>Pelican</u> Station	13		

Monolene atrimana

<u>Oregon</u> Station	1871	1889	1943
	1945	2081	2082
	2083	2320	

Monolene sessilicauda Goode

<u>Oregon</u> Station	603	696	2799
<u>Silver Bay</u> Station	1201	1671	
<u>Pelican</u> Station	11		

Monolene megalopsis Woods

<u>Oregon</u> Station	1879	1867	1889
	2603	2653	2663

Paralichthys albigutta Jordan and Gilbert

<u>Oregon</u> Station	1495	1498	1531
	1533	1535	1536
	1560	1675	1679
	1680	1684	1694
	1695	1700	1701
	1702	1703	1704
	1708	1709	1714
	1716	1717	1726

BOTHIDAE  
(contd.)

	1729	1755	1760
	1763	1770	1776
	1778	1779	
<u>Silver Bay Station</u>	153	154	245
	656	1508	1531
	2148		

Paralichthys dentatus (Linnaeus)

<u>Silver Bay Station</u>	1212	1226	1227
	1231	1238	1241
	1252	1258	1262
	1263	1264	1265
	1273	1286	1329
	1348	1375	1376
	1385	1390	1483
	1484	1485	1486
	1487	1508	1523
	1533	1553	1664
	1733	2134	2165
	2213	2214	2525

<u>Combat Station</u>	521	525	524
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Paralichthys lethostigma Jordan and Gilbert

<u>Oregon Station</u>	1751	1755	1756
	1765	1771	1782
	2878	2889	2890

<u>Silver Bay Station</u>	110	243	244
	1727	1728	2945

Pelican Station

1  
105 miles North of Logger  
Head Key

Paralichthys squamilentus Jordan and Gilbert

<u>Oregon Station</u>	1510	1514	1533
	1557	1558	1561
	1630	2203	2547
	3173		

<u>Silver Bay Station</u>	51	106	107
	146	155	156
	157	175	176
	179	222	273
	294	300	301
	312	316	330
	460	722	

Pelican Station

4 6

Poecilopsetta albomarginata

<u>Oregon Station</u>	1870	1971	1882
	1883	1885	1889
	1921	1981	1985
	1986	2005	2023
	2024	2026	2066
	2080	2285	2286
	2633	2634	2639
	2659	2651	2658
	2670		

Poecilopsetta beani (Goode)

<u>Oregon Station</u>	1011	1016	1180
	3124	1340	1370
	1431	1537	1761
	1885	1921	1925
	2008	2080	2285

<u>Silver Bay Station</u>	1201	2418	
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Scophthalmus aquosus (Mitchill)

<u>Silver Bay Station</u>	1212	1213	1262
	1264	1273	1284
	1286	1287	1288
	1293	1296	1329
	1353	1367	1375
	1487	1529	1664
	1665	1772	2214
	2578	2861	2864
	2890	2891	2892
	2922		

George M. Bowers Station

64

Syacium gunteri Ginsburg

<u>Oregon Station</u>	866	1004	1068
	1494	2016	2310
	2613	2631	

<u>Silver Bay Station</u>	1553	2438	2441
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Syacium micrurum Ranzani

<u>Oregon Station</u>	2000	2036	2232
	2241	2607	2631

<u>Silver Bay Station</u>	461	2395	2438
	2666	2806	2945

ACHIRIDAE

Achirus inscriptus Gosse

Achirus fasciatus

<u>Silver Bay Station</u>	3	41	243
	244	648	

<u>Silver Bay Station</u>	2467	2470	2480
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Gymnachirus texae

<u>Oregon Station</u>	1494	1499	1500
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Gymnachirus williamsoni Günter

<u>Oregon Station</u>	1004		
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Trinectes inscriptus (Gosse)

<u>Oregon Station</u>	2603	2648	2649
	2653	2654	2663

<u>Silver Bay Station</u>	2467	2470	2471
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Trinectes maculatus (Mitchill)

<u>Oregon Station</u>	3	1654	1675
	1680	1685	1686
	1687	1690	1694
	1703	2215	2876

Trinectes paulistanus

<u>Oregon Station</u>	2056	2057	2058
	2212	2226	2215

CYNOGLOSSIDAE

Symphurus diomedianus (Goode and Bean)

<u>Silver Bay Station</u>	1554	1557	2349
	2382	2383	2407

Combat Station

353

Symphurus marginatus (Goode and Bean)

<u>Silver Bay Station</u>	469	1611	
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Symphurus plagiatus (Linnaeus)

<u>Oregon Station</u>	944		
<u>Silver Bay Station</u>	1263	1264	1285
	1288	1553	1637
	1923	2214	2441

Symphurus piger (Goode and Bean)

<u>Silver Bay Station</u>	2464	2468	2470
	2477	2479	

Syacium papillosum (Linnaeus)

<u>Oregon Station</u>	963	1021	1088
	1559	2019	2035
	2044	2208	2301

<u>Silver Bay Station</u>	8	152	395
	1209	1212	1218
	1219	1220	1233
	1237	1238	1239
	1247	1257	1259
	1262	1268	1270
	1287	1293	1341
	1342	1522	1523
	1531	1533	1622
	1733	1734	2381
	2382	2390	2395
	2408	2410	2496
	2545	2586	2587
	2591	2593	2634
	2682	2692	2806
	2924		

<u>Combat Station</u>	353	480	497
	498	506	517
	523	524	530

George M. Bowers Station

30

Syacium sp.

	2001	2075	2076
	2632		

Trichopsetta ventralis (Goode and Bean)

<u>Oregon Station</u>	945	1983	1986
	1987	2286	

<u>Silver Bay Station</u>	2445	2467	2471
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Trichopsetta sp.

<u>Oregon Station</u>	2643	2649	2653
	2663		

CYNOGLOSSIDAE	<u>Symphurus urospilus</u> Ginsburg				HOLOCENTRIDAE	<u>Holocentrus ascensionis</u> (Osbeck)			
(contd.)	<u>Silver Bay Station</u>	1622	2441			<u>Oregon Station</u>	1616	1623	2054
BERYCIDAE	<u>Beryx splendens</u> Lowe						2062	2065	2071
	<u>Oregon Station</u>	1427					2086	2087	2244
							2245	2249	2261
POLYMIXIDAE	<u>Polymixia lowei</u> Günther						2262	2285	2308
	<u>Oregon Station</u>	1026	1340	1343			2315	2607	2617
		1501	1502	1504		<u>Silver Bay Station</u>	4	6	7
		1508	1509	1513			53	180	185
		1514	1516	1517			187	190	191
		1518	1519	1521			192	194	195
		1524	1525	1527			198	200	201
		1528	1529	1530			202	203	205
		1537	1538	1539			206	207	208
		1540	1542	1543			260	261	266
		1546	1548	1550			267	276	279
		1556	1562	1563			281	365	438
		1578	1606	1784			1032	1101	1120
		1868	1869	1870			2451		
		1883	1903	1904		<u>Combat Station</u>	497		
		1920	1922	1923					
		1924	1927	1928		<u>Holocentrus bullisi</u> Woods			
		1931	1932	1933		<u>Oregon Station</u>	1004	1072	1616
		1942	1945	1948			1702	1795	1875
		1952	1964	1983			2607	2613	2617
		1984	2004	2006			2618	2628	
		2008	2203	2780		<u>Silver Bay Station</u>	395	1500	1504
		2782	3172				1505	1672	2172
	<u>Silver Bay Station</u>	129	216	217			2201	2268	
		222	232	249		<u>Combat Station</u>	353	426	443
		250	317	441					
		442	487	495		<u>Holocentrus coruscus</u> (Poey)			
		1188	1189	1190		<u>Oregon</u>		Serrana Bank	
		1192	1193	1198		<u>Holocentrus rufus</u> (Walbaum)			
		1282	1283	1617		<u>Oregon Station</u>	2617 (larvae)		
		1740	1753	2447			Quinto Sueno Bank		
		2458	2467	2468		<u>Silver Bay Station</u>	438	501	1534
		2469	2477				2451		
	<u>Combat Station</u>	235	291	303		<u>Holocentrus vexillarius</u> (Poey)			
		310	330	357		<u>Oregon</u>		Serrana Bank	
		436	438	442		<u>Silver Bay Station</u>	438		
		446	453	475					
		490	491			<u>Myripristis jacobus</u> Cuvier			
	<u>Polymixia nobilis</u> Lowe					<u>Oregon Station</u>	1958	1986	2045
	<u>Oregon Station</u>	2008	2639				2054	2065	2081
	<u>Silver Bay Station</u>	2483					2087	2249	2256
							2261	2262	2263
DIRETMIDAE	<u>Diretmus argenteus</u> Johnson						2273	2308	2313
	<u>Oregon Station</u>	1887	1921	1945			2340	2607	2617
		1954	2006	2672		<u>Silver Bay Station</u>	2479	2480	
	<u>Combat Station</u>	312				<u>Combat Station</u>	353		
TRACOGNATHIDAE	<u>Gephyroberyx darwini</u> (Johnson)					<u>Ostichthys trachypomus</u> (Günther)			
	<u>Oregon Station</u>	1904	1925	2654		<u>Oregon Station</u>	1065	1343	1345
		2655	2663				1367	1370	1372
	<u>Gephyroberyx</u> sp.						1876	1886	2290
	<u>Silver Bay Station</u>	2479					2648	2654	2655
	<u>Soplostethus mediterraneus</u> (Cuvier)					<u>Silver Bay Station</u>	1505		
	<u>Oregon Station</u>	599	1342	1370		<u>Combat Station</u>	236	238	
		1489	1565	1569		<u>Electropops retrospinis</u> (Guichenot)			
		1871	1883	1884		<u>Silver Bay Station</u>	1393		
		1885	1904	1949					
		1963	1964	1965		<u>Melamphaes beani</u> Günther			
		1968	1969	1984		<u>Oregon Station</u>	2191		
		2351	2644	2780		<u>Melamphaes megalops</u> Lütkes			
	<u>Silver Bay Station</u>	442	445	451		<u>Oregon Station</u>	1425		
		452	1607	1608		<u>Melamphaes</u> sp.			
		1609	1610	2069		<u>Oregon Station</u>	2574	2944	2945
		2070	2076	2483		<u>Scopelogadus mizolepis</u> (Günther)			
	<u>Combat Station</u>	145	301	444		<u>Oregon Station</u>	2576		
		449				<u>Scopeloberyx opisthopterus</u> (Parr)			
	<u>Pelican Station</u>	29	43			<u>Oregon Station</u>	2576		
	<u>Paratrachichthys argyrophanus</u> Woods								
	<u>Oregon Station</u>	2065	2066	2080					
CAULOPIDAE	<u>Anoplogaster cornutus</u> (Valenciennes)								
	<u>Oregon Station</u>	1370	1606	2191					
		2823	2942	2944					
		2945							
	<u>Silver Bay Station</u>	465							



## ZEIDAE

Cyttopsis roseus (Lowe)

<u>Oregon Station</u>	1320	1321	1324
	1537	1868	1869
	1883	1885	1918
	2636	2639	2651

<u>Silver Bay Station</u>	227	2458	2469
	2475	2482	

<u>Combat Station</u>	293	300	314
	436		

Paracen pacificus Kamohara

<u>Oregon Station</u>	1342	1868	1870
	1883	1902	2644
	2647	2658	

<u>Silver Bay Station</u>	441	2457	
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Zenion hololepis (Goode and Bean)

<u>Oregon Station</u>	1324	1340	1341
	1342	1343	1500
	1537	1539	1546
	1868	1869	1872
	1883	1885	1906
	1915	1921	1923
	1984	1989	1991
	2005	2007	2081
	2606	2733	2636
	2639	2644	2647
	2650	2651	2653
	2654	2658	2671

<u>Silver Bay Station</u>	217	441	442
	1189	1190	1191
	1192	1198	2457
	2469		

<u>Combat Station</u>	237	238	279
	319	435	436
	467		

<u>Pelican Station</u>	10	43	57
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Zenopsis ocellata (Storer)

<u>Oregon Station</u>	1548	1550	1558
	1882	2799	

<u>Silver Bay Station</u>	176	177	459
	460	1279	1282
	1283	1752	1753

<u>Combat Station</u>	370	488	489
	490		

## GRAMMICOLEPIDAE

Grammicolepis brachiusculus Poey

<u>Oregon Station</u>	2782		
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<u>Silver Bay Station</u>	2458	3081	
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<u>Combat Station</u>	442		
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Xenolepidichthys dalgleishi Gilchrist

<u>Oregon Station</u>	382	472	484
	1521	1524	1527
	1528	1530	1537
	1539	1550	1555
	2285	2780	2782

<u>Silver Bay Station</u>	442	491	1193
	2070	2076	2458

<u>Combat Station</u>	300	319	475
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Xenolepidichthys sp.

<u>Oregon Station</u>	1883	1885	1942
	1945	1951	1952
	1953		

## STEPHANOBERYCIDAE

Stephanoberyx monac Gill

<u>Oregon Station</u>	1426	2202	
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## SYNGNATHIDAE

Corythoichthys albirostris Heckel

<u>George M. Bowers Station</u>	235		
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SYNGNATHIDAE  
(contd.)Hippocampus erectus Perry

<u>Silver Bay Station</u>	1554		
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<u>George M. Bowers Station</u>	235		
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Hippocampus hudsonius Dekay

<u>Oregon Station</u>	1021	1022	
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<u>Silver Bay Station</u>	70	1213	1223
	1505	1748	1759
	1774	1795	2201
	2666	2769	2947

<u>Combat Station</u>	321	339	383
	386	427	457
	496		

<u>George M. Bowers Station</u>	49	53	
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Hippocampus reidi

<u>Oregon Station</u>	1934	2232	2247
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Syngnathus dunckeri Metzelaar

<u>Combat Station</u>	448		
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Syngnathus elucens Poey

<u>Silver Bay Station</u>	2360		
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Syngnathus fuscus Storer

<u>Silver Bay Station</u>	1290		
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Syngnathus louisianae Günther

<u>Silver Bay Station</u>	1310	1487	1498
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Syngnathus pelagicus Linnaeus

<u>Oregon Station</u>	2198		
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<u>Silver Bay Station</u>	442	470	476
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<u>Combat Station</u>	436	438	448
	455	457	459
	474		

Syngnathus springeri Herald

<u>Silver Bay Station</u>	1237	1536	1644
	1772	2945	

<u>Combat Station</u>	(32° 23' N., 78° 51' W.)		
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<u>George M. Bowers Station</u>	50		
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Syngnathus sp.

<u>Combat Station</u>	158		
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## AULOSTOMIDAE

Aulostomus maculatus Valenciennes

<u>Silver Bay Station</u>	1506		
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## FISTULARIIDAE

Fistularia pectimba Lacépède

<u>Silver Bay Station</u>	1217	1268	1358
	1500	1504	2409

Fistularia tabacaria Linnaeus

<u>Oregon Station</u>	1629	1664	1666
	1671	1735	1875
	2249	2542	2545
	2546		

<u>Silver Bay Station</u>	12	158	159
	185	352	360
	362	391	728
	837	845	848
	1062	1074	1090
	1210	1217	1257
	1507	2078	2083
	2143	2411	2166

<u>Combat Station</u>	200	320	321
	335	336	372
	377	386	

## MACROBRAMPHOSIDAE

Macrorhamphosus scolopax (Linnaeus)

<u>Oregon Station</u>	1026	1501	1527
	1556	1784	

<u>Silver Bay Station</u>	175	459	1184
	1200	1280	1283
	1635	1636	1739
	1968	2173	

MACROBRANCHIOPHOSIDAE (contd.)	<u>Combat Station</u>	75	31	370	CYBIIDAE (contd.)	<u>Scomberomorus maculatus</u> (Mitchill)				
	<u>Pelican Station</u>	16				<u>Oregon Station</u>	1661	1799	1111	
ATHERINIDAE	<u>Allanetta harringtonensis</u> (Goode)						2123	2151	2197	
	<u>Silver Bay Station</u>	410					2360	2405	2407	
	<u>Atherinomorus stipes</u> (Muller and Troschel)						2408	2411	2415	
	<u>Oregon Station</u>	1607	1842	185			2420	2448	2462	
MUGILIDAE	<u>Mugil cephalus</u> Linnaeus						2494	2500	2549	
	<u>Oregon Station</u>	1489	1623	1723			2550	2551	2561	
		2150	2586	3027			2563	2564	2588	
	<u>Mugil curema</u> Valenciennes						2600	2696	2761	
	<u>Oregon Station</u>	1453	1489	1602			2848	2849	2869	
		1605					2873	2877	2878	
	<u>Silver Bay Station</u>	215	455			<u>Silver Bay Station</u>	2884	2888	2902	
	<u>Combat Station</u>	287	299	302			2903	2957	2971	
	<u>Mugil</u> sp.						2972	2974	2984	
	<u>Oregon Station</u>	1616	1665				2989	2990	2991	
	<u>Silver Bay Station</u>	2172					2995	2996	3003	
	<u>Pelican Station</u>	20					3004	3007	3015	
SPHYRAENIDAE	<u>Sphyræna barracuda</u> (Walbaum)						3022	3027	3039	
	<u>Oregon Station</u>	1896	1900	2503			3103	3141		
		2765	2790	2791						
	<u>Silver Bay Station</u>	7	12	161			<u>Combat Station</u>	504		
		163	164	188			<u>Scomberomorus regalis</u> (Bloch)			
		189	191				<u>Silver Bay Station</u>	849	850	
	<u>Sphyræna borealis</u> Dekay				SCOMBRIDAE	<u>Auxis thazard</u> (Lacépède)				
	<u>Oregon Station</u>	2043				<u>Oregon Station</u>	1602	2477	2488	
	<u>Silver Bay Station</u>	7	1204	1212			2526	2743		
		1241	1262	1284			<u>Silver Bay Station</u>	1792		
		1287	1335	1348			<u>Combat Station</u>	287	299	443
	<u>Sphyræna guanchancho</u> Cuvier				SCOMBRIDAE (contd.)	<u>Euthynnus alletteratus</u> (Rafinesque)				
	<u>Oregon Station</u>	2193	2385			<u>Oregon Station</u>	2928			
	<u>Silver Bay Station</u>	1245				<u>Silver Bay Station</u>				
	<u>Sphyræna picudilla</u> Poey					(trolling)	11	19	57	
	<u>Silver Bay Station</u>	350	352	360		<u>Katsuwonus pelamis</u> (Linnaeus)				
		366				<u>Oregon Station</u>	1434	1473	1588	
POLYMYRIDAE	<u>Polydactylus octonemus</u> (Girard)						1590	1592	1594	
	<u>Oregon Station</u>	1035	1183	1234			1601	1604	1606	
		1438	1483	1489			1617	1646	1900	
		1602	1605	1669			1901	1977	2768	
		1799	2481	2588			2791	2953		
		2590	2867	2869			<u>Sarda sarda</u> (Bloch)			
		2878	2904	2967			<u>Oregon Station</u>	2546		
		2979	2993	3022			<u>Silver Bay Station</u>	1262		
		3046	3082				<u>Scomber colias</u> (Gmelin)			
	<u>Silver Bay Station</u>	9				<u>Oregon Station</u>	1515	1628	1629	
	<u>Polydactylus virginicus</u> (Linnaeus)						1655	1656	1658	
	<u>Oregon Station</u>	1477	1863	2032			1660	1666	1734	
		2033	2037	2038			1736	1792	2118	
		2049	2051	2057			2119	2120	2158	
		2073	2208	2213			2162	2166	2167	
		2224	2310	2325			2168	2172	2186	
ACANTHOCYBIIDAE	<u>Acanthocybium solandri</u> (Cuvier and Valenciennes)						2188	2193	2291	
	<u>Oregon Station</u>	1473	1601	1609			2409	2428	2472	
		1610	1612	1615			2473	2475	2476	
		1617	1619	1621			2477	2479	2481	
		1622	1626	1846			2486	2488	2489	
		1862					2492	2509	2514	
							2551	2860	2861	
CYBIIDAE	<u>Scomberomorus cavalla</u> (Cuvier)						2889	2984	3015	
	<u>Oregon Station</u>	2216	2223				3022	3046	3141	
	<u>Silver Bay Station</u>	163	169	363			<u>Silver Bay Station</u>	111	134	163
		372	374	949				179	209	261
		1008	1009	1211				386	398	411
		1286	1322					728	802	803
								816	847	848
								943	974	1120
								1150	1157	1231
								1248	1257	1268
								1273	1291	1391
								1396	1400	1542

<u>Thunnus alalunga</u>			
<u>Oregon</u> Station	1430	1432	1434
	1977	1978	2764
	2765	2766	2769
	2785	2791	

<u>Thunnus</u>	<u>albacares</u>		
<u>Oregon</u>	Station	1430	1431 1432
		1433	1434 1435
		1436	1439 1440
		1468	1469 1471
		1473	1474 1476
		1478	1480 1481
		1482	1486 1488a
		1488b	1490 1491
		1493	1582 1584
		1586	1588 1590
		1592	1594 1595
		1596	1598 1599
		1601	1603 1604
		1606	1609 1610
		1612	1613 1615
		1617	1619 1621
		1622	1626 1845
		1846	1847 1862
		1898	1899 1901
		1975	1976 1977
		1978	2765 2766
		2768	2769 2783
		2785	2786 2790
		2791	2796

<u>Thunnus atlanticus</u> (Lesson)			
<u>Oregon</u> Station	1582	1588	1590
	1592	1598	1601
	1603	1604	1610
	1615	1621	1622
	1624	1845	1898
	1899	1901	1959
	1976	2791	2953

<u>Silver Bay</u> Station	11	19	57
(trolling)			

<u>Thunnus thynnus</u> Storer			
<u>Oregoo</u> Station	1440	1469	1471
	1473	2791	2796

SCOMBRIDAE (contd.)	<u>Thunnus thynnus</u> Storer			
	<u>Oregon</u> Station	1440	1469	1471
		1473	2791	2796
GEMPYLIDAE	<u>Epinnula orientalis</u> <u>americana</u> Grey			
	<u>Oregon</u> Station	1462	1502	1505
		1517	1519	1521
		1524	1525	1528
		1557	1562	1572
		1784	1868	1869
		1885	1902	1963
		2012	2083	2203
		2651	2658	

<u>Silver Bay</u> Station	217	443	2458
Combat Station	446		

Epinnula orientalis orientalis (Gilchrist and Von Bonde)

Oregon Station	2083	2203	2285
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<u>Gempylus serpens</u> Cuvier			
<u>Oregon</u> Station	1599	1602	1824
Silver Bay Station	1195		

Nealotus tripes Johnson

Silver Bay Station 1181

<u>Nesiarchus</u> <u>nasutus</u> Johnson		
<u>Oregon</u> Station	1599	
Combat Station	296	316

Promethichthys prometheus (Cuvier and Valenciennes)

<u>Oregon</u> Station	1963	1964	1968
	1969	2007	2008
	2082	2652	

<u>Ruvettus pretiosus</u> Cocco			
Oregon Station	1434	1450	2777

CEMPYLIDAE (contd.)	<u>Scombrolebrax heterolepis</u> Roule			
	<u>Oregon</u> Station	2191	3219	
TRICHIURIDAE	<u>Benthodesmus atlanticus</u> Coode and Bean			
	<u>Oregon</u> Station	2005	2007	2577

Benthodesmus simonyi (Steindachner)  
Oregon Station 1952

Benthodesmus tenuis (Günther)

<u>Oregon</u> Station	1952	2332
<u>Combat</u> Station	291	

<u>Benthodesmus</u> sp.				
Oregon Station	1872	1944	2005	

<u>Combat Station</u>	444	446
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<u>Evonymetopon taeniatus</u> Poey				
<u>Oregon</u> Station	1565	1963	1991	
	2008	2023		

Trichiurus lepturus (Linnaeus)

<u>Oregon</u> Station	1531	1532	1536
	1631	1654	1661
	1662	1670	1734

	1789	1792	2043
	2094	2095	2096
	2100	2101	2102
	2110	2111	2123

	2110	2111	2123
	2125	2130	2140
	2142	2143	2144
	2145	2152	2153

	2154	2193	2215
	2373	2374	2377
	2380	2383	2397

	2402	2417	2418
	2420	2457	2458
	2460	2461	2463
	2466	2477	2478

	2472	2473	2476
	2477	2496	2498
	2499	2501	2502
	2503	2504	2505

	2503	2504	2505
	2514	2516	2517
	2518	2519	2524
	2526	2527	2531

	2534	2544	2553
	2554	2555	2562
	2563	2564	2590

	2689	2753	2800
	2851	2878	2904
	2933	2984	2993
	3013	3000	3000

3015	3022	3027
3046	3053	3078
3095		

<u>Silver Bay</u> Station	3	4	5
	6	9	12
	44	163	165

	167	170	178
	181	182	187
	188	190	191
	192	201	202

	192	200	201
	203	205	207
	208	209	238
	240	241	245

	240	251	258
	256	257	258
	266	273	300
	303	789	799

	800	843	846
	849	856	864
	919	940	943

	974	1074	1117
	1121	1212	1262
	1267	1288	1726
	2165	2438	

	2100	2100
<u>Combat Station</u>	504	527

	<u>Pelican Station</u>	2	3
ISTIOPHORIDAE	<u>Istiophorus americanus</u> (Cuvier)		

<u>Oregon</u> Station	1491	1594	1609
	1846	1847	1896
	1876	2768	2783

	1976	2768	2765
<u>Silver Bay</u> Station	483	2139	2172
	2201	2268	

Makaira albid (Poey)

<u>Oregon</u>	Station	1431	1438	1439
		1473	1476	1480
		1484	1491	1582
		1554	1586	1588

1584	1586	1588
1590	1592	1594
1595	1596	1597

ISTIOPHORIDAE (contd.)		1598	1599	1610		STROMATEIDAE (contd.)	<u>Oregon Station</u>	1174	1630	1651
		1610	1612	1615				1641	1642	1655
		1617	1619	1621				1660	2093	2095
		1622	1626	1845				1096	2102	2111
		1846	1862	1976				1115	2122	2124
		1976	2764	2767				1125	2142	2157
		2768	2791					2154	2348	2374
	<u>Makaira nigricans</u> Lacépède							2462	2472	2476
	<u>Oregon Station</u>	1430	1432	1435				2496	2498	2499
		1436	1438	1476				1501	2532	2558
		1488a	1497	1594				1540	2561	2562
		1596	1599	1609				2551	2564	2588
		1617	1846	1977				1689	2701	2702
		1979	2768	2783				1740	2742	2866
		2786	2791					1869	2863	2974
								2910	2926	2933
								2967	2993	3027
								3103	3141	
	<u>Tetrapturus biolineatus</u> Rafinesque						<u>Silver Bay Station</u>	1	3	6
	<u>Oregon Station</u>	1434	2764	2768				165	167	168
								187	189	238
								239	240	241
								242	243	244
								245	257	266
								273	303	330
								352	796	846
								856	900	1094
								1099	1117	1211
								1284	1285	1286
								1287	1288	1289
								1290	1726	2165
XIPHIIDAE	<u>Xiphioides gladius</u> Linnaeus									
	<u>Oregon Station</u>	1434	1440	1475						
		1582	1594	1610						
		1617	1619	1621						
		1622								
	<u>Silver Bay Station</u>	470	483	2201						
LUVARIDAE	<u>Luvarus imperialis</u> Rafinesque									
	<u>Combat Station</u>	400					<u>Porcoctus triacanthus</u> (Peck)			
							<u>Oregon Station</u>	1495	1499	1531
								1535	1536	1627
								1628	1629	1630
								1642	1647	1652
								1654	1655	1656
								1657	1658	1659
								1661	1662	1663
								1784	1792	1802
								1803	2100	2101
								2102	2103	2111
								2117	2118	2119
								2120	2121	2130
								2136	2142	2153
								2154	2157	2158
								2193	2194	2374
								2381	2382	2388
								2389	2395	2398
								2403	2404	2406
								2409	2412	2413
								2414	2416	2417
								2416	2420	2421
								2422	2425	2426
								2431	2457	2462
								2463	2471	2472
								2473	2476	2489
								2492	2493	2494
								2495	2496	2497
								2498	2502	2505
								2510	2514	2521
								2524	2526	2527
								2531	2532	2533
								2534	2536	2543
								2544	2545	2553
								2558	2563	2564
								2687	2712	2715
								2740	2742	2803
								2851	2854	2860
								2861	2866	2869
								2890	2898	2904
								2910	2933	2967
								2979	2984	3013
								3015	3022	3039
								3056	3078	3124
								3141	3149	3174
CORYPHAENIDAE	<u>Coryphaena equisetis</u> Linnaeus									
	<u>Oregon Station</u>	1489	1597	1604						
		1605								
	<u>Silver Bay Station</u>	2132								
	<u>Combat Station</u> (29° 16'-30° 54' N., 80° 07'-12° W.)									
	<u>Coryphaena hippurus</u> Linnaeus									
	<u>Oregon Station</u>	1035	1089	1134						
		1145	1174	1365						
		1367	1370	1372						
		1380	1430	1431						
		1432	1435	1438						
		1474	1480	1590						
		1592	1598	1601						
		1603	1604	1616						
		1617	1620	1862						
		1896	1898	1899						
		1975	1976	1977						
		2766	2766	2792						
	<u>Silver Bay Station</u>	222	396	447						
		470	471	476						
		481	483	1217						
		2201								
	<u>Combat Station</u>	296	299	328						
		443								
BRAMIDAE	<u>Collybus drachme</u> Snyder									
	<u>Oregon Station</u>	2191								
	<u>Pterycombus goodei</u> (Jordan)									
	<u>Oregon Station</u>	1380								
	<u>Combat Station</u>	290								
STROMATEIDAE	<u>Cubiceps melanus</u> Ginsburg									
	<u>Oregon Station</u>	1537					<u>Silver Bay Station</u>	3	4	5
	<u>Silver Bay Station</u>	216	1279	3081				6	6	12
		3082						14	108	154
								155	156	157
								169	176	178
								180	181	182
								184	187	188
								189	190	191
								192	194	195
								199	200	201
								202	203	204
								205	207	208
								209	210	212
								213	217	222
								224	225	238
								239	240	241
								256	257	258
								260	261	266
								276	296	303
								316	330	344
								360	364	458
								459	467	468
								470	711	788
								789	796	800
								802	803	805
								815	816	843
								845	849	940
	<u>Palinurichthys bythites</u> Ginsburg									
	<u>Oregon Station</u>	1580								
	<u>Peprilus paru</u> (Linnaeus)									

STROMATEIDAE  
(contd.)

943 1121 1268  
1274 1275 1277  
1279 1280 1281  
1282 1284 1285  
1286 1287 1288  
1289 1326 1328  
1351 1453 1487  
1552 1726 1742  
1747 1753 1754  
2064 2165 2931

Combat Station 96 97 99  
167 175 204  
341 384 490  
491 493 530

Pelican Station 6 9 25  
34

George M. Bowers Station 32

Psenes cyanophrys Cuvier

Oregon Station 1076 1356 1380  
1489 1590 2198

Silver Bay Station 442 454 470  
471 476 481  
2201

Combat Station 289 290 315  
335 448 458  
459 462

Psenes maculatus Lütken

Silver Bay Station 401

Psenes regulus Poey

Oregon Station 1640  
Silver Bay Station 388 744 2379  
2409 2411 2438  
2439

Combat Station 164 509

## CARANGIDAE

Alectis ciliaris Bloch

Oregon Station 1630  
Silver Bay Station 156 189 850  
891 943 1094  
1101 1263 1284  
1285 1508

Alectis crinitis (Mitchill)

Oregon Station 1370 1630 1663  
1670 1787

Silver Bay Station 9 1217 1255  
1262 1263 1264  
1284 1285 1291  
1304 1305 1307  
1308 1348 1405  
1508 2031 2268

Combat Station 70 (dip net) 328

Caranx bartholomaei Cuvier

Oregon Station 1297 1787  
Tortugas, Florida

Silver Bay Station 227 461 471  
476 1209 1254  
1255 1323 2182  
2268

Combat Station 284 296 310  
315 451 459

Caranx crysos (Mitchill)

Oregon Station 1076 1119 1145  
1174 1183 1307  
1313 1356 1363  
1365 1367 1370  
1372 1374 1380  
1582 1585 1586  
1587 1589 1590  
1591 1593 1600  
1835 2198 2634  
2857

Silver Bay Station 238 460 470  
471 476 481  
919 1211 1220  
1231 1239 1242  
1243 1262 1276  
1282 1284 1286  
1288 1290 1322  
1348 1349 1373  
2031 217 2193  
2201 228

CARANGIDAE  
(contd.)

Combat Station 70 (dip net) 82  
326 328 336  
337 339 343  
436 438 443  
457 448 458  
485

Caranx hippos (Linnaeus)

Oregon Station 1068 1070 1072  
1074 1089 1134  
1145 1356 1363  
1365 1367 1372  
1380 1589 1591  
1593 1614 1831  
1832 1835 2182  
2875

Silver Bay Station 158 238 240  
243 365 460  
470 471 476  
483 1285 1286  
1287 1294 2268

Combat Station 448 457 459  
at anchorage, Port  
Canaveral, Florida

Caranx latus Agassiz

Oregon Station 1145 1374 1380  
1585 1589 1590  
1591 1593

Silver Bay Station 362

Combat Station 448

Caranx ruber (Bloch)

Oregon Station 1293 1297 1298  
1313 1380 1582  
2196 2198 2610  
2613

Silver Bay Station 152 442 454  
460 461 470  
471 476 481  
1217 2268

Combat Station 70 (dip net) 82  
290 295 315  
316 326 328  
336 337 343  
436 438 448  
458 459 462  
474 485 490  
15 miles South of  
Mobile Bay

Chloroscombrus chrysurus (Linnaeus)

Oregon Station 1174 1183 1372  
1374 1582 1593  
2018 2020 2035  
2043 2047 2048  
2100 2118 2121  
2131 2137 2343  
2379 2381 2462  
2468 2469 2531  
2558 2559 2560  
2563 2564 2676  
2689 2694 2740  
2742 2851 2875  
2878 2898 2904  
2910 2967 2993  
3022 3027 3109  
3124 3141 3149

Silver Bay Station 166 168 169  
238 239 240  
241 242 243  
244 245 344  
350 351 352  
362 373 374  
845 846 847  
848 849 864  
880 891 900  
914 943 1117  
1120 1121 1211  
2439

Decapterus macarellus (Cuvier)

Silver Bay Station 1253

Decapterus punctatus (Agassiz)

Oregon Station 1438 1483 1591  
1593 1602 1616  
1628 1629 1630  
1636 1639 1640  
1642 1651 1652

CARANGIDAE  
(contd.)

	1725	1734	1736
	1786	1788	1790
	1791	1792	1802
	1803	1866	1997
	2119	2120	2121
	2136	2137	2160
	2167	2177	2178
	2279	2183	2193
	2244	2375	2379
	2380	2381	2382
	2386	2402	2448
	2459	2463	2467
	2469	2472	2492
	2493	2496	2497
	2501	2502	2503
	2504	2505	2514
	2517	2518	2521
	2522	2523	2525
	2526	2527	2531
	2532	2533	2535
	2536	2543	2545
	2546	2553	2558
	2559	2741	2800
	2860	2861	2890
	2910	2926	2928
	2933	2979	3000
	3013	3015	3022
	3039	3053	3056
	3078	3103	3109
	3114	3124	3141
<u>Silver Bay Station</u>	3	4	5
	6	7	9
	12	14	108
	109	110	111
	152	153	160
	162	163	164
	175	176	178
	179	180	181
	162	184	187
	188	189	190
	191	194	195
	200	202	204
	205	258	260
	261	263	266
	267	273	274
	276	281	303
	311	312	330
	340	350	351
	352	353	380
	381	386	391
	395	398	411
	413	488	708
	709	713	715
	716	719	722
	726	727	744
	774	788	799
	800	802	803
	805	815	816
	837	841	842
	843	846	848
	849	850	856
	864	880	891
	900	914	916
	940	943	970
	974	1038	1061
	1090	1120	1121
	1150	1157	1160
	1204	1208	1209
	1210	1214	1222
	1226	1228	1230
	1231	1236	1240
	1242	1244	1246
	1251	1252	1254
	1257	1260	1261
	1262	1266	1267
	1273	1287	1290
	1295	1302	1305
	1309	1320	1463
	1483	1484	1499
	1501	1507	1534
	1537	1545	1656
	1664	1672	1673
	1742	1751	2078
	2083	2087	2214
	2389	2438	2439
	2537	2538	
<u>Combat Station</u>	67	158	161
	302	333	334
	339	492	496
	509		
<u>Pelican Station</u>	13		
<u>Elagatis bipinnulatus</u> (Quoy and Gaimard)			
<u>Oregon Station</u>	1899	2728	2786
	150 miles South of		
	Mobile Bay		
<u>Silver Bay Station</u>	2172	2201	
<u>Combat Station</u>	caught trolling 7-25-57		

CARANGIDAE  
(contd.)

<u>Hemicaranx amblyrhynchus</u> (Cuvier)			
<u>Oregon Station</u>	1593	2875	
<u>Oligoplites saurus</u> (Bloch and Schneider)			
<u>Oregon Station</u>	1805	2600	2726
	2869		
<u>Selar crumenophthalmis</u> (Bloch)			
<u>Oregon Station</u>	1066	1119	1156
	1365	1370	1372
	1374	1380	1583
	1589	1591	1593
	1616	1792	1866
	2015	2118	2119
	2268	2274	2343
	2467	2545	2546
	2553	2689	2694
	2704	2741	3109
<u>Silver Bay Station</u>	6	7	864
	1071	1160	1225
	1242	1297	2172
<u>Combat Station</u>	70 (dip net)	82	
	291	328	336
	337	343	443
	448	490	492
<u>George M. Bowers</u>			
<u>Barracuda Key</u>			
<u>Selene vomer</u> Linnaeus			
<u>Oregon Station</u>	1669	2061	2101
	2558	2590	2727
	2851	3022	
<u>Silver Bay Station</u>	8	110	150
	163	165	166
	167	181	182
	185	189	240
	244	258	262
	304	351	352
	360	362	370
	374	843	845
	848	849	891
	940	943	970
	1008	1061	1121
	1211	1285	1286
	1288	1308	1323
	1373	1375	1376
<u>Combat Station</u>	504		
<u>Pelican Station</u>	3		
<u>Seriola dumerilii</u> Risso			
<u>Oregon Station</u>	1512	1591	1593
	1666	1667	1670
	1797	1798	1799
<u>Silver Bay Station</u>	7	108	166
	191	192	222
	1155	1266	1270
	2078		
<u>Combat Station</u>	295	296	315
	336 (32° 23' N.,		
	78° 57' W.)		
<u>Seriola falcata</u> Valenciennes			
<u>Silver Bay Station</u>	1218	1271	2201
<u>Combat Station</u>	70 (dip net)	295	
	457	490	
<u>Seriola fasciata</u> (Bloch)			
<u>Oregon Station</u>	1585	1587	
<u>Combat Station</u>	295	296	315
<u>Seriola lalandi</u> Cuvier and Valenciennes			
<u>Silver Bay Station</u>	193	846	1211
<u>Seriola zonata</u> (Mitchill)			
<u>Silver Bay Station</u>	388	403	1210
	1211	1251	1262
	1338	1348	1357
	1364	1372	1390
	2157	2191	
<u>Combat Station</u>	296	315	
<u>Trachinotus carolinus</u> (Linnaeus)			
<u>Oregon Station</u>	1658	1666	1734
	2270	2588	2687
	2727	2877	2885
	2971	2972	2991
	2993		
<u>Silver Bay Station</u>	238	296	891
	1285	1286	



CARANGIDAE  
(contd.)Trachinotus cayennensis Cuvier and ValenciennesOregon Station 2214 2225Trachinotus falcatus (Linnaeus)

Tortugas, Florida

Trachurus latham Nichols

Oregon Station 866 1438 1483  
1495 1496 1531  
1533 1534 1589  
1591 1630 1635  
1654 1784 1787  
2026 2111 2117  
2119 2120 2121  
2122 2135 2137  
2244 2536 2543  
2600 2740

Silver Bay Station 1 5 9  
12 161 178  
179 260 281  
320 322 340  
344 350 373  
378 393 805  
816 856 864  
880 891 974  
1005 1006 1007  
1008 1038 1231  
1261 1266 1267  
1268 2111 2192

Combat Station 70 (dip net) 315  
320 333 339  
376 378

Trachurus trachurus (Linnaeus)Oregon Station 2014Vomer setapinnis (Mitchill)

Oregon Station 1374 1628 1799  
1940 2039 2052  
2111 2126 2142  
2375 2381 2383  
2393 2407 2411  
2417 2418 2422  
2423 2425 2457  
2462 2543 2546  
2558 2560 2561  
2676 2689 2694  
2704 2741 2861  
2870 2875 2898  
2926 2933 2945  
2979 2984 2993  
3015 3027 3039  
3095 3141 3149

Silver Bay Station 3 7 8  
9 10 166  
190 191 192  
202 204 206  
207 208 245  
261 267 350  
353 362 373  
799 800 846  
850 856 864  
880 891 943  
1150 1157 1211  
1262 1285 1286  
1288 1328 1396

## POMATOMIDAE

Pomatomus saltatrix (Linnaeus)

Oregon Station 1671 1804 1805  
2050 2115 2391  
2408 2413 2697  
2731 2873 2964  
2995 3082 3141

Silver Bay Station 163 165 166  
168 169 201  
238 239 846  
1211 1212 1213  
1249 1251 1262  
1284 1285 1286  
1287 1288 1289  
1290 1313 1322  
1351 1397 1402  
1562 2165 2187  
2193 2214

Combat Station 505 506

## RACHYCENTRIDAE

Rachycentron canadus (Linnaeus)

Oregon Station 1651 1656 1666  
1735 1785 2123  
2194 2439 3109

Silver Bay Station 14 167 919  
1160 1285 1287  
1288 1364 1538  
2083

## BATHYCLUPEIDAE

Bathyclupeus argentea Goode and Bean

Oregon Station 1872 1886 1889  
1906 1908 1909  
1915 1917 1918  
1933 1945 1952  
1954 2009 2352  
2635 2777

Silver Bay Station 2458 2483

## APOGONIDAE

Apogon alatus (Jordan and Gilbert)

Oregon Station 2263 2649  
Silver Bay Station 53

Apogon aurolineatus (Mowbray)

Oregon Station 998 1937 1938  
2626

Apogon binotatus (Poey)Oregon Station 2619 2662Apogon conklini (Silvester)Silver Bay Station 438Apogon maculatus (Poey)

Silver Bay Station 438 1554 1673  
1733

Combat Station 353 391Apogon pigmentaris (Poey)

Oregon Station 1937 1938 2607  
2611 2616 2617  
2618 2624 2662

Silver Bay Station 2451Apogon planifrons Longley and HildebrandOregon Station 2655Apogon pseudomaculatus Longley

Oregon Station 646 717 718  
725 897 963  
1553 1698 1702  
1797 2051 2065  
2308 2607 2662  
2667

Silver Bay Station 53 2256Combat Station 161 353 426Apogon quadrisquamatus LongleySilver Bay Station 53Apogon sellicauda

Oregon Station 2606 2607  
Serrana Bank

Apogon stellatus (Cope)Oregon Station 1892 1937 2618

George M. Bowers  
Station 235

Apogon townsendi (Breder)Oregon Station 2610 2617Cheilodipterus affinis Poey

Oregon Station 646 1866 1875  
1895 2249 2262  
2607 2618 2627  
2633 2667

Silver Bay Station 395Epigonus pandionis (Goode and Bean)

Oregon Station 597 1450 1455  
1456 1506 1507  
1516 1517 1563  
1581 1567 1570  
1579 2009 2319  
2320 2825

Combat Station 281

APOGONIDAE  
(contd.)

<u>Pelican Station</u>	13		
<u>Synagrops bella</u> (Goode and Bean)			
<u>Oregon Station</u>	1321 1341 1442		
	1448 1450 1454		
	1455 1456 1460		
	1502 1504 1505		
	1506 1508 1516		
	1517 1518 1519		
	1521 1524 1525		
	1526 1527 1528		
	1529 1530 1537		
	1538 1539 1540		
	1543 1548 1556		
	1562 1563 1564		
	1565 1567 1568		
	1569 1570 1573		
	1574 1577 1579		
	1581 1761 1868		
	1875 1883 1885		
	1886 1920 1923		
	1924 1926 1931		
	1932 1942 1943		
	1944 1946 1961		
	1962 1964 1969		
	1971 1981 1999		
	2004 2007 2009		
	2021 2025 2319		
	2635 2650 2651		
	2673 2775 2780		
	2782 2799 2825		
<u>Silver Bay Station</u>	216 231 249		
	442 459 1180		
	1193 1194 1234		
	1608 1671 1739		
	2482		
<u>Combat Station</u>	74 78 85		
	105 186 216		
	284 288 289		
	300 303 315		
	357 383 430		
	433 435 442		
	454 459 467		
	471 473 474		
	475 476 479		
	480 484 489		
	490 491		
<u>Pelican Station</u>	10 38 41		
	49		
<u>Synagrops pseudomicrolepis</u> Schultz			
<u>Oregon Station</u>	1342 1882 1883		
	2633 2634 2644		
	2651 2653 2658		
<u>Silver Bay Station</u>	441		
<u>Synagrops spinosa</u> Schultz			
<u>Oregon Station</u>	1761 1870 1885		
	1902 1921 1981		
	1983 1985 2004		
	2006 2203 2285		
	2319 2780 2799		
<u>Silver Bay Station</u>	1283 1740 1742		
<u>Combat Station</u>	288 289 290		
	483 484 491		
<u>Synagrops sp.</u>			
<u>Oregon Station</u>	1525 1526 1527		
	1528 1529 1530		
	1885 1904 2203		
<u>Silver Bay Station</u>	211 212 213		
	214 217 225		
	226 227 441		
	442 459 1179		
<u>Combat Station</u>	284 288 289		
	290 300 303		
	315 319 430		
	433 435 454		
	467 471 473		
	474 475 476		
	479 480 483		
	484 489 490		
	491		
<u>Pelican Station</u>	77		

APOGONIDAE

<u>Howella Sherborni</u> Norman			
<u>Oregon Station</u>	2191		
<u>Hypoclydonia bella</u> Goode and Bean			
<u>Oregon Station</u>	1579		
<u>Centropomus ensiferus</u> Poey			
<u>Oregon Station</u>	2210 2211		
<u>Albiteria scripta</u>			
<u>Silver Bay Station</u>	386		
<u>Alphestes afer</u> (Bloch)			
<u>Silver Bay Station</u>	1218		
<u>Anthias asperilinguis</u> Günther			
<u>Oregon Station</u>	896 2080 2081		
<u>Silver Bay Station</u>	1635 1739 2173		
<u>Anthias nicholsi</u> ?			
<u>Silver Bay Station</u>	1500		
<u>Centropriestis melampus</u> Ginsburg			
<u>Oregon Station</u>	1720		
<u>Combat Station</u>	378 386		
<u>Centropriestis ocyurus</u> (Jordan and Evermann)			
<u>Oregon Station</u>	1494 1495 1530		
	1532 1536 1554		
	1639 1670 2890		
	2926		
<u>Silver Bay Station</u>	1 3 4		
	7 8 12		
	53 88 91		
	92 108 109		
	110 111 158		
	159 160 161		
	162 163 164		
	170 380 480		
	1215 1218 1219		
	1220 1231 1233		
	1247 1268 1270		
	1299 1342 1348		
	1393 1498 1500		
	1504 1506 1550		
	1553 1563 1634		
	1638 2155 2157		
	2166 2391		
<u>Combat Station</u>	164 333 334		
	335 339 341		
	386 397 406		
	424 425 426		
	427 448 489		
	496		
<u>Pelican Station</u>	14		
<u>George M. Bowers</u>	32		
<u>Centropriestis philadelphicus</u> (Linnaeus)			
<u>Oregon Station</u>	1496 1499 1500		
	1532 1533 1534		
	1535 1536 1642		
	1800 1944 2925		
<u>Silver Bay Station</u>	3 4 6		
	12 159 281		
	919 1219 1286		
	1287 1289 1291		
	1293 1345 1393		
	1484 1553 1564		
	2077		
<u>Combat Station</u>	339 370 371		
	372 392		

SERRANIDAE  
(contd.)

Centropristes striatus (Linnaeus)

<u>Oregon</u> Station	1721	1722	
<u>Silver Bay</u> Station	845	1205	1208
	1209	1210	1211
	1212	1213	1215
	1226	1228	1229
	1233	1238	1239
	1244	1250	1252
	1263	1268	1270
	1273	1290	1291
	1294	1296	1329
	1345	1351	1483
	1485	1506	1508
	1553	1734	2078
	2083	2137	2214
	2223	2507	2525
	2533	2578	2579

<u>Combat</u> Station	68	74	88
	94	97	161
	164	320	371
	372		

<u>Pelican</u> Station	14	39	
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Chlorististum sp.

<u>Oregon</u> Station	1345		
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Dermatolepis inermis (Valenciennes)

<u>Oregon</u> Station	2234		
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Dinemachthys cayorum

<u>Silver Bay</u> Station	438		
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Diplectrum arcuarium Giesburg

<u>Oregon</u> Station	1719	1795	
<u>Silver Bay</u> Station	2409	2410	2438

Diplectrum bivittatum (Valenciennes)

<u>Oregon</u> Station	1004	1554	1674
	1666	1873	1938
	1997	2238	2248
	2607	2611	2613
	2618	2621	2622
	2631		

<u>Silver Bay</u> Station	66	350	351
	357		

Diplectrum formosum (Linnaeus)

<u>Oregon</u> Station	1553	1554	1560
	1637	1638	1680
	1719	1757	1764
	1770	1775	1996
	1999	2000	2018
	2020	2032	2035
	2036	2045	2046
	2078	2091	2096
	2234	2250	2327
	2933		

<u>Silver Bay</u> Station	59	92	153
	159	160	161
	162	163	164
	378	381	398
	406	412	712
	713	718	719
	720	726	744
	772	774	788
	841	915	940
	1204	1208	1210
	1212	1213	1218
	1222	1223	1226
	1227	1228	1229
	1230	1231	1237
	1238	1239	1240
	1243	1244	1259
	1266	1270	1271
	1273	1291	1293
	1294	1407	1484
	1507	1522	1523
	1528	1531	1537
	1637	1664	1669
	1738	2133	2188
	2214	2376	2411
	2438	2439	2440
	2441	2525	2578
	2580		

<u>Combat</u> Station	66	67	69
	158	161	321
	335	336	339
	341	424	496
	505	507	

<u>Pelican</u> Station	14	39	
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<u>George M. Bowers</u>	235	Eleuthera (our station S26) Hatchet Bay, 3 miles off- shore, April 20-May 3, 1960	
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SERRANIDAE  
(contd.)

Diplectrum radiale (Quoy and Gaimard)

<u>Oregon</u> Station	1998	2000	2017
	2018	2032	2034
	2035	2036	2037
	2044	2045	2050
	2078	2207	2208
	2234	2281	2348

<u>Silver Bay</u> Station	59		
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Dules sp.

<u>Silver Bay</u> Station	2360	2361	2435
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Epinephelus adscensionis (Osbeck)

<u>Oregon</u>	Serrana Bank		
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<u>Silver Bay</u> Station	358		
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Epinephelus flavolimbatus (Poey)

<u>Oregon</u> Station	2229	2231	2704
<u>Silver Bay</u> Station	301	736	832
	2394	2395	

Epinephelus guttatus (Linnaeus)

<u>Oregon</u> Station	1795	1937	
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Silver Bay Station

Epinephelus itajara (Lichtenstein)

<u>Oregon</u> Station	2448		
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<u>Silver Bay</u> Station	363	369	749
	1009	1038	

Epinephelus morio (Valenciennes)

<u>Oregon</u> Station	963	1640	1719
	2364	2365	2366
	2453	2466	

<u>Silver Bay</u> Station	108	135	184
	341	342	352
	353	362	364
	365	383	391
	395	398	411
	413	416	417
	437	709	712
	713	714	715
	717	720	722
	723	726	727
	744	745	772
	779	841	847
	849	850	943
	986	1032	1038
	1099	1101	1217
	2437		
	Alacran Reefs		

<u>Combat</u> Station	455		
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Epinephelus mystacinus (Poey)

<u>Silver Bay</u> Station	2395		
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Epinephelus nigritus (Holbrook)

<u>Oregon</u> Station	1303	1512	1515
	1801	1877	2759

<u>Silver Bay</u> Station	9	196	207
	363	749	1150

Epinephelus olivatus (Valenciennes)

<u>Oregon</u> Station	1303		
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<u>Silver Bay</u> Station	208	2383	2395
	2407	2408	

Epinephelus striatus (Bloch)

<u>Silver Bay</u> Station	986		
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<u>George M. Bowers</u>	Eleuthera (our station S26) Hatchet Bay, 3 miles offshore April 20-May 3, 1960		
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	Alacran Reefs		
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Hemianthias vivanus (Jordan and Swain)

<u>Oregon</u> Station	1639	1986	
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<u>Silver Bay</u> Station	2360	2467	
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<u>Combat</u> Station	90		
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SERRANIDAE  
(contd.)

<u>Hypoplectrus unicolor</u> (Walbaum)			
<u>Oregon Station</u>	963		
<u>Silver Bay Station</u>	438	740	
<u>Liopropoma mowbrayi</u>			
<u>Combat Station</u>	235		
<u>Mentiperca lucioperca</u> (Poey)			
<u>Oregon Station</u>	1875		
<u>Mycteroperca bonaci</u> (Poey)			
<u>Oregon Station</u>	1512	1515	1639
	1721	1722	1724
	1725	1769	1796
	2448	2709	
<u>Silver Bay Station</u>	110	152	153
	193	199	370
	395	408	413
	416	710	713
	714	715	716
	717	719	720
	722	723	726
	728	744	745
	986	1085	1150
	1157	1217	1222
	1297	2437	
<u>Combat Station</u>	71		
<u>Mycteroperca falcata</u> (Poey)			
<u>Oregon Station</u>	1512	1795	2185
<u>Silver Bay Station</u>	267	749	776
	779	787	802
	841	843	845
	850	856	900
	943	970	986
	1006	1008	1009
	1038	1061	1090
	1099	1101	1157
	1207	1208	1217
	1218		
<u>Mycteroperca interstitialis</u>			
<u>Silver Bay Station</u>	408	438	
<u>Mycteroperca microlepis</u> (Goode and Bean)			
<u>Silver Bay Station</u>	399	413	416
	417	437	
<u>Mycteroperca phenax</u> Jordan and Swain			
<u>Silver Bay Station</u>	343	347	350
	353	355	361
	364	371	374
	397	398	401
	416	2533	
<u>Mycteroperca venenosa</u> (Linnaeus)			
<u>Oregon Station</u>	1494	1512	1515
<u>Silver Bay Station</u>	986	1090	
<u>Ocyanthias martinicensis</u> (Guichenot)			
<u>Silver Bay Station</u>	2170		
<u>Paracentropistes notospilus</u> (Longley)			
<u>Oregon Station</u>	2700		
<u>Combat Station</u>	90	406	372
<u>Paracentropistes pomospilus</u> Ginsburg			
<u>Oregon Station</u>	603	944	1088
	1494	1495	1497
	1795	1873	1875
	1890	1993	2622
	2655		
<u>Silver Bay Station</u>	12		
<u>Paralabrax deweegeri</u> (Metzelaar)			
<u>Oregon Station</u>	2278		
<u>Paranthias furcifer</u> (Valenciennes)			
<u>Oregon Station</u>	329	330	858
	2623	2624	
<u>Pikea cubensis</u>			
<u>Oregon Station</u>	1345	1867	1877
	1902		

SERRANIDAE  
(contd.)

<u>Pikea mexicana</u> Schultz			
<u>Oregon Station</u>	695	858	864
<u>Pikea mexicana atlantica</u>			
<u>Oregon Station</u>	1983	1986	1988
	2013	2014	2020
	2021	2290	2294
<u>Prionodes jenyns</u>			
<u>Oregon Station</u>	1866	1878	1879
	2273		
<u>Prionodes annularis</u> (Günther)			
<u>Oregon Station</u>	2315	2618	
<u>Prionodes atrobranchus</u>			
<u>Oregon Station</u>	1873	1987	2001
	2014	2015	2016
	2020	2030	2032
	2049	2054	2060
	2061	2074	2075
	2078	2087	2221
	2226	2234	2235
	2238	2241	2248
	2274	2276	2304
	2305	2308	2616
	2649	2654	2655
<u>Prionodes baldwini</u> Evermann and Marsh			
<u>Oregon Station</u>	1937	2276	
<u>Prionodes fuscus</u>			
<u>Oregon Station</u>	1874		
<u>Prionodes phoebe</u> (Poey)			
<u>Oregon Station</u>	892	920	944
	1025	1303	1559
	1795	1874	1877
	1994	1997	2001
	2063	2244	2245
	2247	2248	2261
	2607	2662	2925
<u>Silver Bay Station</u>	340	393	395
	401	413	420
	437	438	461
	709	1120	1207
	1233	1393	1500
	1505	1534	1672
	1742	1751	2145
	2170	2357	2389
	2390	2434	2467
	2470	2476	2535
	2790	2798	
<u>Combat Station</u>	72	74	75
	89	90	101
	185	334	348
	353	383	455
<u>Pelican Station</u>	15		
<u>Prionodes tabacarias</u> (Cuvier and Valenciennes)			
<u>Oregon Station</u>	2607	2618	2624
	2630		
<u>Silver Bay Station</u>	395	501	
<u>Prionodes</u> sp.			
<u>Oregon Station</u>	1994	2010	2015
	2232		
<u>Pronotogrammus aureorubens</u> Longley			
<u>Oregon Station</u>	864	1539	1639
	1983	1985	1989
	2005	2022	2221
	2285	2291	2772
	2775		
<u>Pronotogrammus vivanus</u> (Jordan and Swain)			
<u>Oregon Station</u>	1025	1026	
<u>Pronotogrammus</u> sp.			
<u>Silver Bay Station</u>	1280	1500	1634
	1742	2170	

SERRANIDAE  
(contd.)

<u>Rypticus arenatus</u> (Cuvier)			
<u>Oregon</u> Station	897 2291	936	1021
<u>Silver Bay</u> Station	1549 2362	1554 2770	2057
<u>Rypticus saponaceus</u> (Bloch and Schneider)			
<u>Oregon</u> Station	1531 Serrana Bank	1536	1795
<u>Silver Bay</u> Station	69 205 1389 2527 20 miles North East of Cay Arenas	73 1121 1549 2585	159 1208 2057 2593
<u>Rypticus subbifrenatus</u> (Gill)			
<u>Oregon</u>	Serrana Bank		
<u>Serranus beta</u>			
<u>Oregon</u> Station	2622		
<u>Serranus campechanus</u> Woods			
<u>Oregon</u> Station	1666 2607	1874 2617	2606 2624
<u>Silver Bay</u> Station	392 435	393 437	429 Campeche Banks
<u>Serranus chionaraia</u>			
<u>Oregon</u> Station	2667		
<u>Serranus pumilio</u> Ginsburg			
<u>Oregon</u> Station	1693	2248	
<u>Silver Bay</u> Station	59		
<u>Combat</u> Station	90		
<u>Serranus subligarius</u> (Cope)			
<u>Oregon</u> Station	1873		
<u>Silver Bay</u> Station	53		
<u>Serranus tortugarum</u> Longley			
<u>Oregon</u> Station	1874 2619 2624 2662	2607 2620 2628	2618 2622 2630
<u>Silver Bay</u> Station	501		

PRIACANTHIDAE

<u>Cookeolus boops</u> (Bloch and Schneider)			
<u>Silver Bay</u> Station	2172		
<u>Priacanthus arenatus</u> Cuvier			
<u>Oregon</u> Station	1866 2043 2235 2262 2890	1874 2209 2238 2309	1934 2217 2251 2617
<u>Silver Bay</u> Station	6 190 770 1006 1062 2411	7 342 799 1007 1074	9 359 802 1009 1157
<u>Combat</u> Station	378		
<u>George M. Bowers</u> <u>Station</u>	235 Eleuthera (our station 526) Hatchet Bay, 3 miles offshore April 20-May 3, 1960		
<u>Pseudopriacanthus altus</u> (Gill)			
<u>Oregon</u> Station	963 1647 1790 3015	1022 1705 1796 3039	1639 1786 2607
<u>Silver Bay</u> Station	10 1506 2359 2507	709 2168 2376	1393 2172 2439
<u>Combat</u> Station	72		
<u>Pelican</u> Station	15		

LOBOTIDAE

<u>Lobotes surinamensis</u> (Bloch)			
<u>Oregon</u> Station	1137	1163	
<u>Silver Bay</u> Station	2172	87	
<u>Combat</u> Station	458	490	
<u>LUTJANIDAE</u>			
<u>Apsilus dentatus</u> Guichenot			
<u>Combat</u> Station	238		
<u>Lutjanus analis</u> (Cuvier)			
<u>Oregon</u> Station	2307		
<u>Silver Bay</u> Station	449 353 365 370 390 847 891 943 1007 1038 1099	551 361 366 372 395 856 900 970 1008 1061 1101	522 362 368 374 845 880 915 1005 1009 1062
<u>Lutjanus apodus</u> (Walbaum)			
<u>Oregon</u> Station	2617		
<u>Silver Bay</u> Station	364 710 727 841 850 900 1006	365 715 728 843 856 916	395 716 744 849 891 970
<u>Lutjanus blackfordi</u> Goode and Bean			
<u>Oregon</u> Station	295 1512 1628 1631 1642 1654 1658 1661 1666 1671 1786 1790 1795 1798 1801 2042 2360 2363 2373 2503 2517 2552 2607 2627 2861 2886 2890 2897 2909 2917 2933 2939 2984 3007 3016 3056 3124	1494 1515 1629 1636 1647 1656 1659 1662 1669 1736 1787 1792 1796 1799 1803 2236 2361 2366 2375 2504 2521 2556 2618 2761 2870 2888 2892 2899 2910 2922 2927 2960 3004 3011 3039 3078 3174	1511 1554 1630 1639 1651 1657 1660 1663 1670 1769 1789 1794 1797 1800 2035 2359 2362 2367 2468 2514 2531 2557 2622 2856 2872 2889 2894 2908 2916 2925 2938 2967 3006 3015 3043 3109
<u>Silver Bay</u> Station	1 5 8 110 176 181 185 188 192 195 198 201 205 209 261 267 274 296 303 312 347 352 361 365 370	3 6 9 154 178 182 186 189 193 196 199 202 207 210 262 269 279 300 310 343 349 353 362 367 372	4 7 14 170 180 184 187 191 194 197 200 204 208 260 266 273 281 301 311 344 350 360 364 368 374

LUTJANIDAE  
(contd.)

	381	390	398
	401	416	430
	708	726	727
	788	789	802
	803	805	815
	816	842	843
	845	846	848
	849	850	856
	864	880	891
	900	914	919
	940	943	970
	974	982	995
	1005	1006	1007
	1008	1009	1038
	1061	1062	1074
	1085	1090	1099
	1101	1120	1121
	1150	1157	1160
	1268	1393	2079
	2137	2138	2143
	2354	2355	2376
	2409	2437	2579
Combat Station	64	349	
<u>Lutjanus buccanella</u> (Cuvier)			
<u>Oregon</u> Station	2607	2617	2618
	2622	2623	
<u>Silver Bay</u> Station	395	435	
<u>Lutjanus cyanopterus</u> (Cuvier)			
<u>Silver Bay</u> Station	368		
<u>Lutjanus griseus</u> (Linnaeus)			
<u>Silver Bay</u> Station	346	361	362
	374	438	715
	943	970	974
	1008	1096	2140
	2143		
<u>Lutjanus mahogoni</u> (Valenciennes)			
<u>Oregon</u> Station	2278		
<u>Silver Bay</u> Station	2717		
<u>Lutjanus synagris</u> (Linnaeus)			
<u>Oregon</u> Station	713	1628	1642
	1669	1725	1800
	1934	1935	1936
	1937	1938	2037
	2613	2901	
<u>Silver Bay</u> Station	1	59	70
	110	168	343
	350	351	352
	353	361	362
	364	365	366
	368	370	372
	374	380	411
	413	500	501
	713	726	727
	728	744	745
	841	842	843
	845	846	848
	849	850	856
	880	891	900
	914	940	943
	1005	1006	1007
	1008	1009	1038
	1061	1062	1085
	1090	1099	1101
	1157	2137	2410
	2411	2437	2438
	2439	2441	
<u>Lutjanus vivanus</u> (Cuvier)			
<u>Oregon</u> Station	1997	2001	2017
	2018	2033	2034
<u>Silver Bay</u> Station	437	847	1147
	1207	2159	2432
<u>Ocyurus chrysurus</u> (Bloch)			
<u>Oregon</u> Station	1937	2185	2355
	2466		
<u>Silver Bay</u> Station	342	343	365
	366	370	381
	386	708	728
	841	660	900
	916	943	986
	2140	2437	

LUTJANIDAE  
(contd.)

<u>Pristipomoides andersoni</u> Ginsburg			
<u>Oregon</u> Station	423	1303	1864
	1867	1995	2203
	2274	2288	2704
<u>Silver Bay</u> Station	46	351	359
	380	401	433
	435	461	1268
	1359	1500	1672
	1692	1738	2390
<u>Pristipomoides macrophthalmus</u> (Müller and Troschel)			
<u>Oregon</u> Station	2	1988	1994
	2001	2018	2032
<u>Silver Bay</u> Station	2470	2472	2479
<u>Combat</u> Station	236	238	
<u>Rhomboplites aurorubens</u> (Cuvier)			
<u>Oregon</u> Station	412	944	1494
	1512	1629	1631
	1636	1642	1658
	1659	1660	1663
	1702	1724	1725
	1787	1788	1792
	1866	1875	1997
	1999	2003	2032
	2035	2036	2042
	2366	2448	2454
	2468	2616	2703
	2803	2847	2850
	2889	2926	2980
	2985	3011	
<u>Silver Bay</u> Station	4	5	6
	7	8	9
	10	11	108
	110	111	163
	164	175	184
	185	187	191
	192	193	194
	195	196	198
	199	200	205
	208	209	266
	267	274	279
	341	344	350
	352	353	359
	360	361	362
	366	368	372
	374	381	383
	390	391	393
	395	398	401
	411	413	416
	708	709	711
	713	715	716
	718	719	720
	725	726	727
	728	744	745
	772	774	776
	779	789	802
	803	805	816
	837	841	842
	845	846	849
	850	856	880
	891	900	916
	917	997	1005
	1006	1007	1008
	1009	1038	1150
	1157	1160	1204
	1205	1208	1209
	1210	1216	1217
	1218	1220	1221
	1222	1223	1224
	1225	1228	1231
	1233	1235	1273
	1295	1296	1297
	1320	1345	1360
	1361	1506	1507
	1534	1537	1548
	1672	1733	1751
	2078	2080	2083
	2137	2138	2140
	2143	2360	2438
	2439	2525	2533
	2537	2538	
<u>Combat</u> Station	64	71	161
	167	200	201
	333	334	335
	348	353	391
	406	426	427
	428	497	511
	519		
<u>Pelican</u> Station	16	32	



## POMADASIOAE

Anisotremus virginicus (Linnaeus)

<u>Oregon Station</u>	713	2466
<u>Silver Bay Station</u>	365	2717

Bathystoma aurolineatum (Cuvier)

<u>Oregon Station</u>	1004	1782	1787
	1866	2225	2311
<u>Silver Bay Station</u>	352	501	709
	1101	1204	1207
	1208	1209	1210
	1211	1213	1216
	1217	1218	1221
	1222	1223	1225
	1226	1227	1228
	1230	1235	1294
	1296	1338	1341
	1348	1361	1500
	1505	1534	1655
	1661	1669	1692
	1733	1734	2078
	2083	2170	2223
	2451		
<u>Combat Station</u>	324	333	334
	335	347	425
	428		

Bathystoma rimator (Jordan and Swain)

<u>Oregon Station</u>	1004	1997	2035
	2264	2289	
<u>Silver Bay Station</u>	9	10	341
	350	368	381
	943	956	1079
	1507	2080	2137
	2140	2143	2354
	2376	2438	2441
	2525	2533	2537

Combat Station

69

Bathystoma striatum (Linnaeus)

<u>Oregon Station</u>	2043		
<u>Silver Bay Station</u>	11	341	352
	401	406	412
	413	435	1534

Conodon nobilis (Linnaeus)

<u>Oregon Station</u>	2037	2278
<u>Silver Bay Station</u>	500	

Genyatremus luteus (Bloch)

<u>Oregon Station</u>	2215
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Haemulon flavolineatum (Desmarest)

<u>Silver Bay Station</u>	501
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Haemulon melanurum (Linnaeus)

<u>Oregon Station</u>	2355
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Haemulon plumieri (Lacépède)

<u>Oregon Station</u>	930	1553	1554
	1627	1674	1675
	1676	1682	1686
	1698	1702	1703
	1705	1707	1716
	1721	1725	1736
	1738	1750	1787
<u>Silver Bay Station</u>	71	342	411
	942	843	1098
	1204	1205	1207
	1208	1209	1211
	1216	1217	1221
	1222	1348	1405
	1507	1534	1772
	2223	2439	
<u>George M. Bowers Station</u>	235		
	Eleutha (our station 562)		
	Batebet Bay, 2 miles offshore		
	April 20-May 3, 1960		

Haemulon sciurus (Shaw)

<u>Silver Bay Station</u>	501	986
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POMADASIDAE  
(contd.)Orthopristis chalceus (Günther)

<u>Oregon Station</u>	2225
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Orthopristis chrysopterus (Linnaeus)

<u>Silver Bay Station</u>	1	6	125
	128	143	166
	167	303	320
	1204	1213	1226
	1227	1240	1254
	1255	1262	1263
	1264	1273	1285
	1286	1289	1373
	1483	1486	1498
	1501	1731	2537

Orthopristis ruber

<u>Oregon Station</u>	2043
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Pomadasys coruinaeformis

<u>Oregon Station</u>	2076
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## SPARIDAE

Archosargus probatocephalus (Walbaum)

<u>Silver Bay Station</u>	319	722	2143
	2718		

Calamus arctifrons Goode and Bean

<u>Oregon Station</u>	295	706	1795
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Calamus bajonado (Bloch and Schneider)

<u>Combat Station</u>	426
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Calamus calamus (Valenciennes)

<u>Silver Bay Station</u>	341	342
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Calamus prouridens Jordan and Gilbert

<u>Oregon Station</u>	725	901
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Diplodus holbrooki (Bean)

<u>Silver Bay Station</u>	1507	2162	2163
	2261	2262	2433

Lagodon rhomboides (Linnaeus)

<u>Oregon Station</u>	1495	1627	1628
	1638	1640	1642
	1647	1652	1654
	1660	1662	1663
	1669	1670	1671
	1680	1724	1725
	1784	1787	1791
	1792	1800	1801
	2193	2205	2206
	2375	2386	2397
	2398	2411	2417
	2421	2422	2423
	2439	2440	2441
	2444	2445	2448
	2453	2522	2534
	2555	2556	2560
	2561	2682	2726
	2811	2898	2926
	2984	3015	3027
	3066	3114	3124

Silver Bay Station

1	3	5
6	7	8
9	10	12
14	71	110
152	153	160
161	162	166
167	168	185
188	189	195
208	209	256
303	304	312
320	350	352
362	368	393
398	401	411
413	416	461
580	682	711
715	716	719
720	725	726
728	744	800
803	805	816
841	842	845
849	880	915
916	940	943
1062	1121	1204
1205	1207	1210
1211	1212	1213
1214	1216	1217
1218	1220	1221
1226	1227	1229
1231	1240	1249

SPARIDAE  
(cnntd.)

1251 1254 1256  
1262 1266 1272  
1284 1285 1286  
1287 1288 1289  
1291 1324 1345  
1348 1351 1396  
1397 1665 1734  
1738 2165 2409  
2410 2441

Combat Station 68 69 99  
161 167 168  
200 203 339  
374 424 425  
505

Pagrus pagrus (Linnaeus)

Silver Bay Station 426 496 1506  
2163

Pagrus sedecim Ginsburg

Oregon Station 729 730 944  
1638 1797 1799

Silver Bay Station 5 6 9  
108 110 111  
152 158 159  
176 177 180  
181 182 185  
187 281 501  
1297 2140 2143  
2537 2538

Combat Station 386

Stenotomus aculeatus ?

Combat Station 158 424

Stenotomus caprinus Bean

Oregon Station 1494 1495 1496  
1497 1499 1500  
1531 1532 1533  
1534 1535 1536  
1627 1628 1629  
1630 1631 1636  
1637 1638 1640  
1642 1647 1654  
1656 1657 1658  
1659 1660 1661  
1662 1663 1664  
1666 1668 1669  
1670 1671 1701  
1702 1703 1715  
1719 1721 1725  
1726 1727 1734  
1735 1736 1757  
1759 1760 1762  
1763 1764 1765  
1770 1771 1773  
1774 1775 1785  
1786 1787 1788  
1789 1791 1792  
1796 1797 1798  
1799 1800 1801  
1802 1803 2111  
2514 2517 2518  
2522 2531 2534  
2535 2536 2537  
2556 2557 2704  
2740 2800 2803  
2854 2860 2890  
2898 2910 2925  
2926 2933 2955  
2960 2967 2979  
3013 3022 3046  
3053 3056 3066  
3103 3109 3114  
3124 3174

Silver Bay Station 1 3 4  
5 6 7  
8 9 10  
12 14 44  
110 111 158  
159 160 161  
162 164 169  
170 178 184  
188 189 190  
191 192 194  
195 196 199  
200 201 202  
203 204 206  
206 207 208  
209 210 258  
263 261 262  
263 266 267  
273 274 276  
279 281 296  
300 301 302  
303 310 311  
312 319 330

SPARIDAE  
(contd.)

344 350 351  
352 361 362  
364 365 366  
374 709 717  
799 800 841  
843 845 848  
850 864 880  
891 914 916  
919 929 940  
943 1038 1061  
1062 1117 1121  
1345

Combat Station 348 378

Stenotomus chrysops (Linnaeus)

Oregon Station 2928  
Silver Bay Station 1204 1240 1243  
1247 1249 1252  
1254 1256 1257  
1260 1266 1267  
1284 1285 1375  
1507 2162 2163

Pelican Station 39

KYPHOSEIDAE

Kyphosus incisor (Cuvier)

Silver Bay Station 227 447 1372  
1620 2201  
Combat Station 336 337 448  
458 459 462  
485 490

Kyphosus sectatrix (Linnaeus)

Silver Bay Station 1388 1390  
Combat Station 336

Kyphosus sp.

Combat Station 336 448

EMMELICHTHYIDAE

Emmelichthys atlanticus Schultz

Oregon Station 1874 2623 2624  
Silver Bay Station 435

GERRIDAE

Diapterus rhombeus (Cuvier)

Oregon Station 2223 2225

Eucinostomus argenteus Baird and Girard

Oregon Station 930  
Silver Bay Station 44 1484 1553  
2376 2410 2438  
Combat Station 320

Eucinostomus gula (Cuvier and Valenciennes)

Oregon Station 2036 2343  
Silver Bay Station 344 350 943  
974 1062 1095  
1096 1212 1396

Eucinostomus pseudogula Powy

Silver Bay Station 501

MULLIDAE

Mulloidichthys martinicus (Cuvier)

Oregon Station 1477  
Serrana Bank  
Silver Bay Station 3 5 6  
7 8 12  
1005 1007

Mulloidichthys sp.

Silver Bay Station 384

Mullus argentineae

Oregon Station 1985 2003

Pseudupeneus maculatus (Bloch)

Oregon Station 1342 1496 1500  
1510 1511 1514  
1531 1535 1652

MULLIDAE  
(contd.)

<u>Silver Bay Station</u>	3	7	9
	12	108	154
	155	175	178
	180	182	184
	185	187	189
	190	191	192
	194	195	196
	198	199	200
	202	203	204
	205	206	207
	208	210	258
	260	261	262
	266	281	438
	460	501	709
	728	841	843
	846	849	856
	940	974	1038
	1062	1120	1150
	1204	1214	1216
	1299	1534	1549
	1553	1742	

<u>Pelican Station</u>	7	21	22
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Upeceus auratus Jordan and Gilbert

<u>Oregon Station</u>	1020	1554	1605
	2166	2611	2627

<u>Silver Bay Station</u>	5	6	7
	12	178	709
	1345	1349	1354
	1358	1359	1361
	1364	1508	1621
	1673	1692	1733
	1734	1742	1754
	2161	2174	2223
	2256	2409	

<u>Combat Station</u>	424	428	
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<u>Pelican Station</u>	16		
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Upeneus parvus Poey

<u>Oregoc Station</u>	866	1088	1792
	1795	1799	1877
	1993	1998	1999
	2000	2001	2015
	2016	2020	2032
	2034	2036	2041
	2043	2071	2073
	2075	2091	2217
	2221	2241	2274
	2304	2611	2627

<u>Silver Bay Station</u>	281	344	352
	1268		

<u>Pelican Station</u>	16		
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SCIAENIDAE

Bairdiella chrysa (Lacépède)

<u>Oregon Station</u>	2154		
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<u>Silver Bay Station</u>	1397	1747	
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Cynoscion arenarius Glosburg

<u>Oregon Station</u>	1497	2203	
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<u>Silver Bay Station</u>	1	3	4
	165	169	170

Cynoscion jamaicensis (Vaillant and Bocourt)

<u>Oregoc Station</u>	2043		
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Cynoscion nebulosus (Cuvier)

<u>Oregoc Station</u>	2700		
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<u>Silver Bay Station</u>	1285		
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<u>Pelican Station</u>	8		
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Cynoscion notus (Holbrook)

<u>Oregon Station</u>	1494	1531	1533
	1536	1642	1649
	1651	1655	1656
	1660	1661	1662
	1664	1666	1734
	1737	1784	2143
	2514	2878	2904
	2967		

<u>Silver Bay Station</u>	1284	1486	
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Cynoscion regalis (Bloch and Schneider)

<u>Oregon Station</u>	2463	2504	2524
	2527	2866	3082
	3149		

SCIAENIDAE  
(contd.)

<u>Silver Bay Station</u>	238	239	240
	241	245	246
	1120	1211	1212
	1250	1258	1285
	1328	1329	1397
	1485	1486	1487
	1747	2165	2187
	2213	2214	2578

<u>Combat Station</u>	377		
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<u>Pelican Station</u>	3		
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Equetus acuminatus Bloch and Schneider

<u>Oregon Station</u>	892	1494	1795
	2289	2315	

<u>Silver Bay Station</u>	73	354	1216
	1221	1233	1268
	1329	1348	1393
	1405	1500	1505
	1506	1731	1734
	2565		

<u>Combat Station</u>	161	333	348
	353	426	497

Equetus lanceolatus (Linnaeus)

<u>Oregon Station</u>	1022	1554	1692
	1693	1698	1724
	1796	1798	1937
	1938	1999	2244
	2248	2249	2256
	2257	2262	2273
	2607	2615	

<u>Silver Bay Station</u>	53	110	341
	386	406	411
	848	1208	1218
	1345	1360	1506
	1526	1534	1738
	2078	2079	2080
	2083	2133	2137
	2140	2143	2438
	2441	2533	

<u>Combat Station</u>	71	347	348
	426		

Equetus sp. cov.

<u>Oregoc Station</u>	2924		
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<u>Silver Bay Station</u>	709	1505	
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Larimus fasciatus Holbrook

<u>Silver Bay Station</u>	3	4	919
	1212	1213	1310
	1351	1377	1726
	2165		

<u>Pelican Station</u>	14		
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Leiostomus xanthurus Lacépède

<u>Oregon Station</u>	1533	1536	1627
	1629	1630	1636
	1637	1640	1642
	1647	1651	1654
	1662	1666	1668
	1670	1671	1679
	1700	1703	1716
	1717	1734	1787
	2093	2096	2101
	2114	2125	2153
	2375	2385	2388
	2397	2463	2486
	2498	2499	2531
	2534	2535	2536
	2537	2543	2545
	2554	2555	2556
	2557	2558	2561
	2562	2563	2564
	2701	2702	2704
	2851	2878	2910
	2926	2933	2955
	3013	3027	3053
	3066	3082	3095
	3114	3124	3141
	3174		

<u>Silver Bay Station</u>	3	9	12
	110	159	160
	161	163	165
	166	167	168
	169	170	239
	240	241	242
	243	244	245
	246	256	296
	300	303	319

SCIAENIDAE  
(contd.)

	330	460	498
	919	929	1212
	1213	1241	1242
	1243	1249	1250
	1262	1263	1284
	1285	1286	1287
	1288	1289	1290
	1313	1351	1376
	1382	1486	1552
	1726	1742	1753
	1754	2165	2578
	2579		
<u>Combat Station</u>	159	339	344
	448	490	504
	527	530	
<u>Pelican Station</u>	8	14	
<u>Lonchirus lanceolatus</u> Bloch			
<u>Oregon Station</u>	2056		
<u>Menticirrhus americanus</u> (Linnaeus)			
<u>Oregon Station</u>	1532	1627	1649
	1651	1717	2101
	2142	2375	2380
	2381	2425	2426
	2461	2492	2493
	2494	2495	2496
	2498	2499	2502
	2504	2532	2554
	2558	2560	2561
	2562	2878	2904
	2910	2933	2967
	2993	3027	3053
	3066	3078	3103
	3124	3149	
<u>Silver Bay Station</u>	144	170	258
	718	1212	1322
	1377	1529	
<u>Menticirrhus focaliger</u> Ginsburg			
<u>Oregon Station</u>	1784		
<u>Menticirrhus litteralis</u>			
<u>Silver Bay Station</u>	1212		
<u>Menticirrhus martinicensis</u> (Cuvier and Valenciennes)			
<u>Oregon Station</u>	2325		
<u>Menticirrhus saxatilis</u> (Bloch and Schneider)			
<u>Oregon Station</u>	1651		
<u>Silver Bay Station</u>	238	239	241
	242	243	244
	245	1212	1654
	2553		
<u>Micropogon furnieri</u> (Desmarest)			
<u>Oregon Station</u>	2016	2037	2049
	2058		
<u>Micropogon undulatus</u> (Linnaeus)			
<u>Oregon Station</u>	1495	1496	1497
	1499	1531	1533
	1534	1536	1627
	1628	1629	1630
	1631	1636	1637
	1640	1642	1647
	1649	1651	1652
	1654	1655	1656
	1657	1660	1661
	1662	1663	1664
	1666	1667	1668
	1669	1670	1681
	1684	1688	1689
	1696	1711	1712
	1714	1716	1717
	1724	1727	1731
	1734	1736	1737
	1738	1745	1749
	1751	1757	1758
	1759	1763	1771
	1802	1803	2093
	2094	2096	2097
	2098	2101	2111
	2117	2118	2122
	2125	2127	2130
	2373	2375	2377
	2380	2381	2383
	2384	2385	2388
	2389	2393	2394
	2395	2397	2398
	2408	2409	2411
	2412	2416	2417

SCIAENIDAE  
(contd.)

	2418	2420	2422
	2458	2459	2460
	2461	2462	2463
	2494	2499	2501
	2502	2503	2514
	2517	2518	2524
	2531	2532	2533
	2534	2535	2536
	2537	2544	2546
	2554	2555	2556
	2557	2558	2561
	2590	2576	2687
	2701	2702	2704
	2712	2800	2803
	2851	2853	2869
	2878	2898	2904
	2910	2926	2933
	2955	2960	2967
	2979	2984	2993
	3022	3027	3046
	3056	3078	3082
	3095	3103	3109
	3114	3124	3138
	3141	3149	3174
<u>Silver Bay Station</u>	1	3	4
	9	10	14
	111	144	160
	163	164	165
	166	167	168
	169	170	178
	180	187	188
	189	190	191
	195	202	203
	207	210	238
	239	240	241
	242	243	244
	245	246	273
	296	300	301
	303	304	319
	330	361	567
	679	789	798
	843	845	846
	919	929	1120
	1205	1211	1212
	1213	1240	1241
	1249	1250	1258
	1262	1273	1284
	1285	1286	1287
	1288	1289	1290
	1298	1313	1345
	1351	1483	1485
	1487	1664	1754
	2165	2440	
<u>Combat Station</u>	158	344	345
	377	490	504
	506	507	
<u>Pelican Station</u>	3	8	14
<u>Nebris microps</u> Cuvier and Valenciennes			
<u>Oregon Station</u>	2058		
<u>Ophioscion</u> sp.			
<u>Oregon Station</u>	2325		
<u>Paralongchurus brasiliensis</u>			
<u>Oregon Station</u>	2058	2059	2076
<u>Pogonias cromis</u> (Linnaeus)			
<u>Oregon Station</u>	2420	2495	2496
<u>Silver Bay Station</u>	240	243	256
	257	816	1216
	1486		
<u>Sagenichthys macrondon</u> (Bloch and Schneider)			
<u>Oregon Station</u>	2038	2055	2056
	2058	2059	2074
	2076		
<u>Sciaenops ocellata</u> (Linnaeus)			
<u>Oregon Station</u>	1784	2397	2420
<u>Silver Bay Station</u>	168	1487	
<u>Stellifer rastriifer</u> Jordan and Eigenmann			
<u>Oregon Station</u>	2058	2074	
<u>Stellifer microps</u> Steindachner			
<u>Oregon Station</u>	2058	2059	
<u>Stellifer lanceolatus</u> (Holbrook)			
<u>Oregon Station</u>	2211	2875	2876
	2878		
<u>Silver Bay Station</u>	1375		



CHAETODONTIDAE  
(contd.)

<u>Pomacanthus arcuatus</u> (Linnaeus)				
<u>Oregon</u>	Station	1892	2262	
<u>Silver Bay</u>	Station	847	856	891
		915	916	1038
		2999		
<u>Pomacanthus aureus</u> (Bloch)				
<u>Oregon</u>	Station	1865	1937	1938
		2262	2250	2630
<u>Silver Bay</u>	Station	10	501	386
<u>Pomacanthus paru</u> (Bloch)				
<u>Silver Bay</u>	Station	726	847	916
		1008	1101	1534
		2359	2999	3000
<u>Prugnathodes aculeatus</u> (Poey)				
<u>Oregon</u>	Station	2607	2617	2624
		2628	2632	

ACANTHURIDAE

<u>Acanthurus bahianus</u> Castelnau				
<u>Oregon</u>		Serrana Bank		
<u>Silver Bay</u>	Station	438		
<u>Acanthurus chirurgus</u> (Bloch)				
<u>Silver Bay</u>	Station	1506	1508	
<u>Acanthurus caeruleus</u> Bloch and Schneider				
<u>Oregon</u>		Serrana Bank		
<u>Silver Bay</u>	Station	438		
<u>Acanthurus hepatus</u> (Linnaeus)				
<u>Oregon</u>	Station	2087		
<u>Acanthurus randalli</u> Briggs and Caldwell				
<u>Oregon</u>		Serrana Bank		

SCORPAENIDAE

<u>Etreposebastes</u> sp.				
<u>Oregon</u>	Station	1940		
<u>Helicolenus dactylopterus</u> (De la Roche)				
<u>Oregon</u>	Station	1450		
<u>Silver Bay</u>	Station	216	217	218
		226	228	475
		1280	1610	1611
		3076	3081	3082
<u>Combat</u>	Station	171	201	289
		290	291	294
		319	410	435
		436	441	462
		463	467	476
<u>Pelican</u>	Station	13	16	27
		34	37	41
		43		
<u>Helicolenus dactylopterus maderensis</u> (Goode and Bean)				
<u>Oregon</u>	Station	2670	2671	2672
		2673	2674	
<u>Silver Bay</u>	Station	216	218	226
		478	1609	
<u>Combat</u>	Station	183	289	290
		291	294	319
		365	435	436
		441	462	463
		467	476	
<u>Neomerinthe beanorum</u> (Evermann and Marsh)				
<u>Oregon</u>	Station	1343	1868	1877
		1894	1902	1903
		1904	2603	2649
		2653	2658	
<u>Silver Bay</u>	Station	2462	2471	2472
<u>Combat</u>	Station	448		
<u>Neomerinthe pollux</u> (Poey)				
<u>Silver Bay</u>	Station	127	157	461
		1283		

SCORPAENIDAE  
(contd.)

<u>Pontinus castor</u> Poey				
<u>Oregon</u>	Station	2607		
<u>Pontinus longispinus</u> Goode and Bean				
<u>Oregon</u>	Station	604	864	1878
		1981	1983	1984
		1985	1986	1989
		2004	2006	2012
		2013	2021	2022
		2083	2203	2285
		2286	2799	
<u>Silver Bay</u>	Station	459	2467	2470
		2428		
<u>Pelican</u>	Station	61		
<u>Pontinus macrolepis</u> (Goode and Bean)				
<u>Silver Bay</u>	Station	2479		
<u>Combat</u>	Station	236		
<u>Pontinus rathbuni</u> Goode and Bean				
<u>Oregon</u>	Station	1985	1986	1990
		1993	2004	2006
		2014	2021	2065
		2080	2081	2083
		2627	2665	
<u>Silver Bay</u>	Station	1280	1500	1505
		1635	2902	
<u>Scorpaena agassizi</u> Goode and Bean				
<u>Oregon</u>	Station	917	944	1004
		1025	1303	1879
		2345		
<u>Silver Bay</u>	Station	437	438	2170
		2382	2487	
<u>Combat</u>	Station	164	385	457
<u>Scorpaena bergi</u> Evermann and Marsh				
<u>Silver Bay</u>	Station	1218	1220	
<u>Scorpaena brasiliensis</u> Cuvier				
<u>Oregon</u>	Station	890	892	897
		901	916	936
		1719	1866	1934
		1935	1937	1938
		2043	2044	2058
		2059	2208	2231
		2241	2244	2253
		2308	2310	
<u>Silver Bay</u>	Station	60	301	380
		406	449	499
		581	1348	1526
		1545	1553	2155
		2633		
<u>Combat</u>	Station	161	320	335
		370		
<u>Scorpaena calcarata</u> Goode and Bean				
<u>Oregon</u>	Station	963	1554	1938
		2035	2045	2075
		2250	2308	2667
<u>Silver Bay</u>	Station	8	222	352
		358	395	915
		1219	1220	1226
		1227	1238	1268
		1291	1298	1299
		1484	1485	1504
		1526	1553	1562
		1563	1564	1629
		2183	2435	2633
<u>Combat</u>	Station	316	333	335
		339	353	396
		397	427	428
		455	497	
<u>Pelican</u>	Station	34		
<u>Scorpaena dispar</u> Longley and Hildebrand				
<u>Oregon</u>	Station	2065	2631	
<u>Silver Bay</u>	Station	281	1534	2360
<u>Scorpaena granicornis</u> Cuvier and Valenciennes				
<u>Oregon</u>	Station	1416		



SCORPAENIDAE (contd.)	<u>Scorpaena inermis</u> Cuvier			PERISTEDIIDAE (contd.)	<u>Peristedion imberbe</u> (Poey)		
	<u>Oregon Station</u>	1892 2630	1938 2631		<u>Oregon Station</u>	603 2782	2289 2775
	<u>Silver Bay Station</u>	59	2451		<u>Silver Bay Station</u>	435	1635
	<u>George M. Bowers Station</u>	50			<u>Peristedion longispathum</u> (Goode and Bean)		
	<u>Scorpaena plumieri</u> Bloch				<u>Oregon Station</u>	1011 1345 2353 2779	1016 1568 2775 2777
	<u>Oregon Station</u>	2348			<u>Silver Bay Station</u>	211 221 228	218 226 1607
	<u>Silver Bay Station</u>	438	2361			220 227 1608	
	<u>Setarches parvatus</u> Goode				<u>Combat Station</u>	186 291 300 312 317 324 332 433 436 442 473 479	238 295 307 313 322 325 430 434 453 453 475 484
	<u>Oregon Station</u>	1010 1450 1505 1537 1543 1562 1568 1573 1870 1889 1921 1925 1939 1952 2007 2083 2604 2673	1011 1455 1526 1538 1547 1563 1569 1579 1883 1903 1923 1926 1943 1992 2008 2285 2639 2780		<u>Pelican Station</u>	10 20 37 77	11 27 38 57
	<u>Silver Bay Station</u>	212 217 223 226 442 1179 1198 1609 2482	213 218 224 227 458 1180 1199 2075 3081		<u>Peristedion miniatum</u> Good		
	<u>Combat Station</u>	82 238 302 325 436 468 479	90 289 317 331 441 474 484		<u>Oregon Station</u>	1016 1456 1514 1526 1538 1548 1561 1962 2775	1441 1508 1519 1527 1539 1556 1563 1963 1968
	<u>Pelican Station</u>	13			<u>Silver Bay Station</u>	154 1184	155 156
	<u>Trachyscorpia cristulata</u> (Goode and Bean)				<u>Combat Station</u>	78	
	<u>Oregon Station</u>	2670	2674		<u>Pelican Station</u>	16	
	<u>Silver Bay Station</u>	217 716	228 475		<u>Peristedion platycephalum</u> (Goode and Bean)		
	<u>Combat Station</u>	316 433 462 472	319 435 463 482		<u>Oregon Station</u>	2035	
	<u>Pelican Station</u>	29	40 77		<u>Silver Bay Station</u>	221	
	<u>Peristedion gracile</u> Goode and Bean				<u>Combat Station</u>	445	
	<u>Oregon Station</u>	1451 1504 1517 1525 1537 1540 1543 1548 1556 1564 1568 1577 1961 1972 2005 2651	1452 1508 1521 1527 1538 1541 1546 1550 1562 1565 1570 1578 1962 1983 2023 2650		<u>Peristedion spiniger</u> Longley and Rildebrand		
	<u>Silver Bay Station</u>	51 157	155 156		<u>Oregon Station</u>	1019 317	2030
	<u>Combat Station</u>	82 444	436 441		<u>Pelican Station</u>	16 20 61	
	<u>Pelican Station</u>	9 13	10 20		<u>Bellator brachychir</u> (Regan)		
	<u>PERISTEDIIDAE</u>				<u>Oregon Station</u>	1868 2445	1902 2467
					<u>Silver Bay Station</u>	2066 2482	
					<u>Bellator egretta</u> (Goode and Bean)		
					<u>Oregon Station</u>	1025 1868 1983	1553 1879 2035
					<u>Silver Bay Station</u>	461 2467	2170 2482
					<u>Combat Station</u>	68	90 457
					<u>Pelican Station</u>	16	
					<u>Bellator militaris</u> (Goode and Bean)		
					<u>Oregon Station</u>	1004 1553 1999	1060 1554 2036
							1303 1903

TRIGLIDAE  
(contd.)

<u>Silver Bay Station</u>	35	1234	2136
	1341	1587	1558
	1568	2147	2382
	2386	2389	2398
	2400	2413	2523
<u>Combat Station</u>	68	94	97
	98	99	333
	337	338	509
<u>Pelican Station</u>	14		
<u>Prionotus alatus</u> Goode and Bean			
<u>Oregon Station</u>	864		
<u>Silver Bay Station</u>	438	448	460
	461	466	489
	2147	2170	2381
	2383	2390	2728
<u>Combat Station</u>	448	454	489
<u>Pelican Station</u>	16		
<u>Prionotus beanii</u> Goode			
<u>Oregon Station</u>	1983	1986	2016
	2018	2032	2044
<u>Prionotus carolinus</u> (Linnaeus)			
<u>Silver Bay Station</u>	1204	1205	1210
	1212	1213	1220
	1223	1226	1228
	1238	1240	1242
	1243	1250	1255
	1262	1263	1264
	1270	1271	1272
	1284	1396	1523
	1621	1673	2170
	2525	2532	2536
	2578	2579	
<u>Combat Station</u>	158	283	335
	336	339	424
<u>Pelican Station</u>	39		
<u>Prionotus evolans</u> (Linnaeus)			
<u>Silver Bay Station</u>	1257	1523	1621
	2853		
<u>Combat Station</u>	283	335	
<u>Prionotus gracile</u>			
<u>Oregon Station</u>	1989		
<u>Prionotus martis</u> Ginsburg			
<u>Oregon Station</u>	968	1719	
<u>Silver Bay Station</u>	59	60	
<u>Prionotus opbryas</u> Jordan and Swain			
<u>Oregon Station</u>	1938		
<u>Silver Bay Station</u>	417	1233	1523
	1558	2362	2394
	2438		
<u>Prionotus paralatus</u> Ginsburg			
<u>Oregon Station</u>	1082	1088	1985
	2001	2016	
<u>Combat Station</u>	448	489	
<u>Prionotus pectoralis</u> Nichols and Breder			
<u>Oregon Station</u>	870	1088	
<u>Silver Bay Station</u>	178	438	2945
<u>Combat Station</u>	333	334	425
<u>Prionotus punctatus</u> (Bloch)			
<u>Oregon Station</u>	859	1985	1999
	2001	2016	2018
	2020	2035	2036
	2037	2038	2039
	2045	2046	2225
<u>Combat Station</u>	428		

TRIGLIDAE  
(contd.)

<u>Prionotus roseus</u> Jordan and Evermann			
<u>Oregon Station</u>	873	2036	2044
<u>Silver Bay Station</u>	8	352	422
	1268	1341	1523
	1557	2394	2827
	2585	2587	2591
	2593	2633	
<u>Combat Station</u>	90	283	320
	339		
<u>Prionotus rubic</u> Jordan			
<u>Oregon Station</u>	1654		
<u>Silver Bay Station</u>	3	4	5
	6	12	44
	178		
<u>Prionotus scitulus</u> Jordan and Gilbert			
<u>Oregon Station</u>	863	993	
<u>Silver Bay Station</u>	1529	1562	2525
	2552	2578	2579
	2587		
<u>Prionotus stearnsi</u> Jordan and Swain			
<u>Oregon Station</u>	1060	1303	1343
	1345	1496	1513
	1514	1554	1558
	1692	1983	1988
	1989	2001	2012
	2016	2021	2022
	2203	2633	2799
<u>Silver Bay Station</u>	401	438	461
	1671	2383	2389
	2482		
<u>Prionotus tribulus</u> Cuvier			
<u>Oregon Station</u>	854		
<u>Silver Bay Station</u>	2579	2947	
<u>Dactylopterus volitans</u> (Linnaeus)			
<u>Oregon Station</u>	1380	1589	1591
	1934	1935	1937
	1997	1998	2000
	2041	2196	2198
	2221	2237	2249
	2250	2262	2344
	2613		
<u>Silver Bay Station</u>	1358	1360	
<u>Abudefduf saxatilis</u> (Linnaeus)			
<u>Silver Bay Station</u>	227	454	470
	471		
<u>Combat Station</u>	290	308	310
	315	320	336
	448	459	462
	474		
<u>Pelican Station</u>	7	8	
<u>Chromis enchrysurus</u> Jordan and Gilbert			
<u>Oregon Station</u>	892	896	963
<u>Silver Bay Station</u>	52	152	209
	391	399	437
	708	731	1230
	1244	1534	1548
	2083	2435	
<u>George M. Bowers Station</u>	37		
<u>Chromis flavicauda</u>			
<u>Oregon Station</u>	1875	2034	2054
	2063	2065	2085
	2086		
<u>Chromis insolatus</u> (Cuvier)			
<u>Oregon Station</u>	725	892	1345
	1692	1693	1698
	1702	1795	1875
	2625	2631	
<u>Combat Station</u>	71		



DRACONETTIDAE	<u>Draconetta acanthopoma</u> Regan				PERCOPHIDIDAE				1971	1972	2003
	<u>Combat Station</u>	310	436	439	(contd.)				2547	2775	2825
									3168	3173	3173
	<u>Draconetta oregona</u> Briggs and Berry					<u>Silver Bay Station</u>			155	156	157
DRACONETTA sp.	<u>Oregon Station</u>	2080	2081	2082					170	212	217
		2083							221	224	227
									231	234	235
	<u>Oregon Station</u>	2081							249	441	1177
CALLIONYMIDAE	<u>Callionymus agassizi</u> (Goode and Bean)								1178	1179	1193
	<u>Silver Bay Station</u>	2075				<u>Combat Station</u>			1199	1611	2070
	<u>Combat Station</u>	285	288	319					2076	2458	2469
	<u>Pelican Station</u>	37							2	7	8
CALLIONYMUS sp.	<u>Callionymus bairdi</u> Jordan								16	18	21
	<u>Silver Bay Station</u>	2360							32	38	279
									281	314	316
	<u>Combat Station</u>								317	330	332
CALLIONYMUS bismantophorus Goode and Bean									462	463	464
	<u>Oregon Station</u>	1513	1537	1538					467	479	482
		1539	1540	1541		<u>Pelican Station</u>			9	10	13
		1542	1543	1546					20	25	26
CALLIONYMUS macromma Ginsburg		1547	1548	1550					28	29	
		1556	1830	2013							
		2080	2081	2082		<u>Oregon Station</u>			1879	1918	1930
		2285	2651						1951	1952	2669
CALLIONYMUS sp.	<u>Silver Bay Station</u>	463	464	486					2670	2671	
		487	491	2381							
		2383	2420	3081		<u>Silver Bay Station</u>			2458		
	<u>Combat Station</u>	183	281	285							
CALLIONYMUS sp.		288	319	438		<u>Bombrops sp.</u>					
		453	453	467		<u>Oregon Station</u>			1085	1701	1867
		468							1868	1870	1871
	<u>Oregon Station</u>	2013	2082						1878	1882	1883
CALLIONYMUS sp.									1885	1886	1902
	<u>Silver Bay Station</u>	463	484	486					1903	1904	1906
		487	491						1913	1915	1917
	<u>Combat Station</u>	285	288	319					1919	1926	1945
SYNCHIROPUS sp.		438	453	463					1981	1982	1983
		467	468						1984	1985	1989
									2005	2008	2021
	<u>Combat Station</u>	222							2023	2658	
CHIASMODONTIDAE	<u>Kali sp.</u>					<u>Silver Bay Station</u>			100	212	213
	<u>Oregon Station</u>	2944							217	218	317
									441	442	469
	<u>Pseudoscopus altipinnis</u>					<u>Combat Station</u>			450		
PSEUDOSCOPELUS sp.	<u>Oregon Station</u>	2507							2775	2825	3168
									3172	3173	
	<u>Pseudoscopus scriptus</u> Lütken										
	<u>Oregon Station</u>	1599	1606	2191					155	156	157
PSEUDOSCOPELUS sp.									170	212	217
	<u>Oregon Station</u>	2567	2944	2945					221	224	227
									231	234	235
	<u>Pseudoscopus scriptus</u> Lütken								249	441	1177
PERCOPHIDIDAE	<u>Bombrops anatisrostris</u> Ginsburg								1178	1179	1193
	<u>Oregon Station</u>	156	265	269					1199	1611	2070
		277	696	864					2076	2458	2469
		2203	2799			<u>Combat Station</u>			2	7	8
BOMBROPS sp.	<u>Bombrops gobioides</u> (Goode)								16	18	21
	<u>Oregon Station</u>	266	270	272					32	38	279
		472	1011	1442					281	314	316
		1446	1453	1454					317	330	332
BOMBROPS sp.		1455	1456	1460					462	463	464
		1501	1502	1504					467	479	482
		1508	1509	1510		<u>Pelican Station</u>			9	10	13
		1513	1514	1516					20	25	26
BOMBROPS sp.		1517	1518	1519					28	29	
		1521	1524	1525		<u>Oregon Station</u>			1879	1918	1930
		1526	1527	1528					1951	1952	2669
		1529	1530	1537					2670	2671	
BOMBROPS sp.		1539	1540	1542		<u>Silver Bay Station</u>			2458		
		1543	1550	1557							
		1558	1562	1563		<u>Bombrops sp.</u>					
		1564	1565	1567		<u>Oregon Station</u>			1085	1701	1867
BOMBROPS sp.		1568	1569	1570					1868	1870	1871
		1572	1573	1574					1878	1882	1883
		1577	1578	1579					1885	1886	1902
		1580	1581	1903					1903	1904	1906
BOMBROPS sp.		1906	1918	1920					1913	1915	1917
		1922	1923	1924					1919	1926	1945
		1925	1928	1929					1981	1982	1983
		1932	1933	1942					1984	1985	1989
BOMBROPS sp.		1945	1945	1949					2005	2008	2021
		1953	1954	1961		<u>Silver Bay Station</u>			100	212	213
		1962	1963	1964					217	218	317
		1965	1968	1969					441	442	469

PERCOPHIDIDAE (contd.)	<u>Chromystax squamentum</u> sp. nov.								CLINIDAE (contd.)	<u>Labrisomus nuchipinnis</u> (Quoy and Gaimard)							
	<u>Oregon</u> Station	1891								<u>Oregon</u>	Serrana Bank						
OPISTHOGNATHIDAE	<u>Lonchopisthus higmani</u> Mead									<u>Labrisomus schmidtii</u>							
	<u>Oregon</u> Station	2017	2226	2229						<u>Oregon</u> Station	1874						
		2235	2236	2276						<u>Malacoctenus aurolineatus</u>							
	<u>Lonchopisthus lindneri</u> Ginsburg									<u>Oregon</u>	Serrana Bank						
	<u>Oregon</u> Station	1004								<u>Malacoctenus gilli</u> (Steindachner)							
	<u>Silver Bay</u> Station	2409								<u>Oregon</u>	Serrana Bank						
	<u>Opisthognathus lonchurus</u> Jordan and Gilbert									<u>Starksia ocellata</u> or <u>Malacoctenus ocellatus</u> (Steindachner)							
	<u>Oregon</u> Station	2654								<u>Silver Bay</u> Station	438						
	<u>Silver Bay</u> Station	1788								<u>Starksia bassi</u>							
	<u>Opisthognathus</u> sp.									<u>Oregon</u> Station	2659						
	<u>Oregon</u> Station	2262								<u>Blennius cristatus</u> Linnaeus							
URANOSCOPIIDAE	<u>Arioscopus egregius</u> (Jordan and Thompson)									<u>Silver Bay</u> Station	438						
	<u>Oregon</u> Station	1011	2799							<u>Rupicarpus atlanticus</u> (Cuvier and Valenciennes)							
	<u>Astrosopus y-graecum</u> (Cuvier)									<u>Silver Bay</u> Station	438						
	<u>Silver Bay</u> Station	12	1335	1348						<u>Salaricthys textilis</u> Quoy and Gaimard							
		1389	1457	2150						<u>Silver Bay</u> Station	358	438					
	<u>Gnathagnus laticeps</u> (Longley and Hildebrand)									<u>Lycodes brunneus</u>							
	<u>Oregon</u> Station	1524	1526	1530						<u>Silver Bay</u> Station	1195						
		1538	1548	1557						<u>Melanostigma</u> sp.							
		1562	1563	1564						<u>Silver Bay</u> Station	454	1195					
		1567	1568	1573						<u>Acanthopus</u> sp.							
		1574	1577	1578						<u>Oregon</u> Station	2567						
		1580	1661	1671						<u>Barathronus bicolor</u> Goode and Bean							
		1701	1707	1708						<u>Oregon</u> Station	1908						
		1961	1962	1963							North Eastern Gulf, station						
		1964	2203	2527							not known						
	<u>Silver Bay</u> Station	2482								<u>Bassozetus normalis</u> Gill							
	<u>Combat</u> Station	76	304							<u>Oregon</u> Station	1303						
	<u>Kathetostoma albigutta</u> (Bean)									<u>Bassozetus</u> sp. ?							
	<u>Oregon</u> Station	879	1303	1499						<u>Oregon</u> Station	2574						
		1500	1631							<u>Brotula barbata</u> (Bloch and Schneider)							
	<u>Silver Bay</u> Station	160	422	437						<u>Oregon</u> Station	1500	2258	2901				
		438	532	1268						<u>Silver Bay</u> Station	294	434					
		1342	1393	1504						<u>Dicrolene introsigma</u> Goode and Bean							
		1505	1523	1537						<u>Oregon</u> Station	1955	2202					
		1545	1550	1622						<u>Dicrolene kanazawai</u> Grey							
		1670	2535	2763						<u>Oregon</u> Station	1303	2821					
	<u>Combat</u> Station	333	334	354						<u>Lamprogrammus niger</u> Alcock							
		396	424	427						<u>Oregon</u> Station	1955						
		454								<u>Monomitopus agassizi</u> (Goode and Bean)							
	<u>George M. Rovers</u> <u>Station</u>	50								<u>Oregon</u> Station	1955						
	<u>Kathetostoma cubana</u> Barbour									<u>Nematopus</u> sp.							
	<u>Oregon</u> Station	1878	2603	2633						<u>Oregon</u> Station	2567						
	<u>Silver Bay</u> Station	2445	2464	2467						<u>Neobyttites gillii</u> Goode and Bean							
		2469	2470	2472						<u>Oregon</u> Station	1019	1878	2799				
		2477	2480	2482						<u>Neobyttites marginatus</u> Goode and Bean							
										<u>Oregon</u> Station	1539	1947					
										<u>Silver Bay</u> Station	1190						
										<u>Neobyttites</u> sp.							
										<u>Oregon</u> Station	1341	1343	1560				
											2081						
DACTYLOSCOPIIDAE	<u>Dactyloscopus</u> sp.																
	<u>Silver Bay</u> Station	1537															
CLINIDAE	<u>Euneapterygus jordani</u> (Evermann and Marsh)																
	<u>Oregon</u>	Arcaas Cay															
	<u>Paracrinus grandicomis</u> (Rosen)																
	<u>Oregon</u> Station	2355															
	<u>Labrisomus bucciferus</u> Poey																
	<u>Oregon</u>	Serrana Bank															
	<u>Labrisomus gobio</u>																
	<u>Oregon</u>	Serrana Bank															
	<u>Labrisomus guppyi</u> (Norman)																
	<u>Oregon</u>	Serrana Bank															

BROTULIDAE (contd.)	<u>Silver Bay Station</u>	441		
	<u>Combat Station</u>	448		
	<u>Penopus microphthalmus</u> Vaillant			
	<u>Oregon Station</u>	1303		
	<u>Porogadus miler</u> Goode and Bean			
	<u>Oregon Station</u>	1303	2574	
	<u>Porogadus subarmatus</u> Vaillant			
	<u>Oregon Station</u>	1303		
OPHIIDIDAE	<u>Lopophidium aporrhox</u> Robins			
	<u>Oregon Station</u>	1864 2023 2074 2236	2016 2032 2208 2248	2045 2226
	<u>Lopophidium brevibarbe</u> (Cuvier)			
	<u>Oregon Station</u>	1341 2203	1870 2288	1902 2290
	<u>Silver Bay Station</u>	12		
	<u>Lopophidium cervinum</u> (Goode and Bean)			
	<u>Oregon Station</u>	2024		
	<u>Silver Bay Station</u>	220 1670	458 2731	1552 2732
	<u>Combat Station</u>	94 454 462 489 492	225 458 475 490	334 460 488 491
	<u>Pelican Station</u>	16	61	
	<u>Lopophidium granuloi</u> (Poey)			
	<u>Oregon Station</u>	2226	2236	2348
	<u>Lopophidium leannae</u> Fowler			
	<u>Silver Bay Station</u>	1268 2390 2407	1557 2394 2710	1558 2398
	<u>Lopophidium marmoratum</u> (Goode and Bean)			
	<u>Oregon Station</u>	1340 1343	1741	1342
	<u>Combat Station</u>	238	446	
	<u>Lopophidium pheromystax</u> Robins			
	<u>Oregon Station</u>	1999 2249 2261 2306a	2000 2250 2276 2318	2001 2259 2281
	<u>Lopophidium profundorum</u> (Cill)			
	<u>Oregon Station</u>	1879		
	<u>Combat Station</u>	235		
	<u>Lopophidium staurophor</u> Robins			
	<u>Oregon Station</u>	1878	1894	1904
	<u>Lopophidium kallon</u> Robins			
	<u>Oregon Station</u>	1340	2645	2647
	<u>Lopophidium</u> sp. nov.			
	<u>Oregon Station</u>	2016 2298	2208	2262
	<u>Silver Bay Station</u>	1537 2472	1968 2479	2470
	<u>Combat Station</u>	236	334	519
	<u>Ophidion holbrookii</u> (Putnam)			
	<u>Oregon Station</u>	2268		
	<u>Silver Bay Station</u>	775 1220 1566 2438 2617	1212 1257 2394 2536 2672	1213 1402 2410 2586

OPHIIDIDAE (contd.)	<u>Combat Station</u>	333 497	335	341
	<u>Ophidion</u> sp. nov.			
	<u>Oregon Station</u>	2249	2291	
	<u>Silver Bay Station</u>	247		
	<u>Combat Station</u>	515	526	
	<u>Pelican Station</u>	68		
	<u>Otophidium grayi</u>			
	<u>Oregon Station</u>	2089		
	<u>Silver Bay Station</u>	1329	2587	2617
	<u>Combat Station</u>	341	342	408
	<u>Otophidium omostigmum</u> (Jordan and Gilbert)			
	<u>Silver Bay Station</u>	1537	1644	
	<u>Otophidium</u> sp.			
	<u>Combat Station</u>	158		
	<u>Varicus bucca</u> Robins and Böhlke			
	<u>Oregon Station</u>	2627		
CARAPIDAE	<u>Carapus bermudensis</u> (Jones)			
	<u>Oregon Station</u>	1994		
BATRACHOIDIDAE	<u>Batrachoides surinamensis</u> (Schneider)			
	<u>Oregon Station</u>	2055		
	<u>Nautopadium porosissimum</u> (Valenciennes)			
	<u>Oregon Station</u>	1495 1533 2203 2867 2898	1497 1535 2439 2869 2904	1499 1536 2687 2878
	<u>Silver Bay Station</u>	8 170 1213 1250 1284 1739 2354 2376 2410 2438	54 395 1226 1257 1291 1969 2355 2407 2412 2440	128 1212 1227 1268 1484 2192 2357 2409 2436 2541
	<u>Combat Station</u>	161	303	
	<u>Nautopadium</u> sp.			
	<u>Oregon Station</u>	1879	2348	
	<u>Opsanus beta</u> (Goode and Bean)			
	<u>Oregon Station</u>	1795		
	<u>Silver Bay Station</u>	70		
	<u>Opsanus pardus</u> (Goode and Bean)			
	<u>Oregon Station</u>	901	967	2135
	<u>Silver Bay Station</u>	66 142	116 143	132 144
	<u>Porichthys</u> sp.			
	<u>Oregon Station</u>	2226 2291	2244	2261
GOBIESOCIDAE	<u>Gobiesox strumosus</u> Cope			
	<u>Silver Bay Station</u>	856		
TRIACANTHODIDAE	<u>Hollardia bollardi</u> Poey			
	<u>Oregon Station</u>	1054 1885 1934 2651	1882 1887 2351 2652	1883 1923 2618
	<u>Johnsonina eriomma</u> Myers			
	<u>Oregon Station</u>	1342 2606 2650	1343 2623	1903 2647
	<u>Parahollardia lineata</u> (Longley)			
	<u>Oregon Station</u>	278		
	<u>Silver Bay Station</u>	1670		



TRIACANTHODIDAE (contd.)	<u>Parahollardia schmidti</u> Woods			
	<u>Oregon</u> Station	1867	1868	1895
BALISTIDAE	<u>Balistes capriscaus</u> Gmelin			
	<u>Oregon</u> Station	1170	1174	1356
		1370	1372	1374
		1380	1583	1585
		1587	1589	1593
		1602		
	<u>Silver Bay</u> Station	1	301	401
		923	1237	1271
		1354	1357	1499
		1523	1525	2138
		2140	2143	2325
		2533		
	<u>Combat</u> Station	436	438	451
		455	457	458
		459	462	485
	<u>Balistes carolinensis</u> Gmelin			
	<u>Oregon</u> Station	634	1638	2440
	<u>Silver Bay</u> Station	5	6	14
		153	158	159
		161	164	169
		1157	1160	1216
		1217	1231	1508
		2137	2149	
	<u>Combat</u> Station	71		
	<u>Balistes vetula</u> Linnaeus			
	<u>Oregon</u> Station	1866	1934	1935
		1936	1937	2618
	<u>Canthidermis maculatus</u> (Bloch)			
	<u>Oregon</u> Station	1234	1305	
	<u>Combat</u> Station	457	474	
	<u>Canthidermis sobaco</u> (Poey)			
	<u>Combat</u> Station	436		
	<u>Canthidermis sufflamen</u> (Mitchill)			
	<u>Oregon</u> Station	1134		
	<u>Xanthichthys ringens</u> (Linnaeus)			
	<u>Oregon</u> Station	1356	1380	
MONACANTHIDAE	<u>Alutera guntheriana</u> Poey			
	<u>Oregon</u> Station	2276	2309	
	<u>Alutera heudelotii</u> Rolland			
	<u>Oregon</u> Station	143	890	891
		917	987	1060
		1074	1133	1139
		1589	2198	
	<u>Silver Bay</u> Station	6	8	9
		14	159	1204
		1205	1270	
	<u>Combat</u> Station	436	438	
	<u>Alutera monoceros</u> (Linnaeus)			
	<u>Silver Bay</u> Station	1550	2951	
	<u>Combat</u> Station	459		
	<u>Alutera scripta</u> (Osbeck)			
	<u>Oregon</u> Station	1035	1297	1525
		1589	1590	1638
		1639	1640	1705
		2198	2514	2537
	<u>Silver Bay</u> Station	342	471	476
		711	713	744
		929		
	<u>Combat</u> Station	438	443	459
		462	474	485
		490		
	<u>Alutera ventralis</u> Longley			
	<u>Oregon</u> Station	1589	2248	2249
	<u>Silver Bay</u> Station	501		
	<u>Combat</u> Station	158		

MONACANTHIDAE (contd.)	<u>Alutera schoepfi</u> (Walbaum)			
	<u>Oregon</u> Station	1583	1589	1638
		1639	1649	1688
		1689	1719	2543
	<u>Silver Bay</u> Station	6	153	159
		162	342	1208
		1209	1210	1215
		1218	1224	1226
		1227	1230	1236
		1239	1242	1249
		1250	1252	1254
		1258	1270	1271
		1291	1294	1295
		1286	1297	1307
		1308	1310	1311
		1317	1345	1537
		1638	1639	1649
		2077	2080	2133
		2137	2140	2411
		2438	2525	2533
	<u>Combat</u> Station	348		
	<u>Monacanthus ciliatus</u> (Mitchill)			
	<u>Oregon</u> Station	901	936	1021
		1554	1575	1705
		1706	1707	1716
		1720	1892	1935
		1958	2000	2174
		2198	2232	2246
		2247	2276	
	<u>Silver Bay</u> Station	71	91	98
		110	152	153
		401	404	417
		470	471	476
		710	711	772
		1205	1208	1218
		1268	2412	2440
		2507		
	<u>Combat</u> Station	295	315	333
		336	339	438
		448	455	457
		459	462	
	<u>Pelican</u> Station	7		
	<u>George M. Bowers</u> Station	235	Eleuthera (our station)	
			Hatchet Bay 3 miles offshore	
			April 26-May 3, 1960	
			Bahamas: 1 mile West of Cat Cay	
	<u>Monacanthus tuckeri</u> Bean			
	<u>Silver Bay</u> Station	471		
	<u>Stephanolepis hispidus</u> (Linnaeus)			
	<u>Oregon</u> Station	1477	1531	1533
		1536	1553	1554
		1583	1599	1602
		1606	1616	1670
		1698	1734	1935
		1996	1998	1999
		2000	2001	2017
		2018	2019	2032
		2035	2036	2040
		2073	2196	2198
		2232	2246	2247
		2248	2276	2339
		2535	2933	
	<u>Silver Bay</u> Station	5	6	7
		8	10	12
		14	60	108
		116	121	122
		153	158	159
		160	161	162
		163	164	227
		381	386	404
		422	470	471
		476	501	710
		711	712	713
		720	744	776
		1204	1205	1209
		1210	1211	1212
		1213	1214	1215
		1217	1221	1222
		1226	1227	1228
		1229	1230	1231
		1237	1238	1239
		1240	1245	1247
		1248	1250	1257
		1258	1259	1262
		1268	1270	1271
		1284	1288	1291
		1293	1294	1295
		1296	1297	1299
		1305	1306	1307
		1308	1309	1310
		1311	1315	1316
		1317	2438	
	<u>Combat</u> Station	289	297	315
		316	336	347

MONACANTHIDAE  
(contd.)

372 378 386  
424 425 436  
438 443 455  
457 458 459  
462 474 485  
509

Pelican Station 15 39

George M. Bowers 50  
Bahamas: 1 mile West of  
Cat Cay, 6 fathoms, 7-22-55

Stephanolepis insignis

Oregon Station 1998 2000 2001  
2036 2051 2238  
2250

Stephanolepis setifer (Bennett)

Oregon Station 1935 1937 2196  
2198

Silver Bay Station 470

Combat Station 296 326 328  
336 339 343  
436 438 455  
457 459 462  
474

George M. Bowers  
Station 235

Stephanolepis varius

Oregon Station 1934

Amanses pullus (Ranzani)

Oregon Station 792 1035 1089  
2196

Silver Bay Station 446 929

Combat Station 70 436 457  
459 474 485  
490

OSTRACIIDAE

Lactophrys bicaudalis (Linnaeus)

Silver Bay Station 341 502

Lactophrys quadricornis (Linnaeus)

Oregon Station 1553 1660 1673  
1687 1696 1699  
1703 1719 1720  
1721 1724 1725  
1765 1791 1797  
1802 1892 2017  
2153 2447 2448  
2466 2537 2811  
3066

Silver Bay Station 8 10 71  
110 152 153  
160 164 187  
240 281 341  
352 372 374  
377 381 394  
501 709 710  
714 715 719  
720 721 726  
728 745 772  
779 843 915  
940 1007 1120  
1208 1294 1297  
1360 1507 1522  
1526 1534 2078  
2133 2140 2409  
2410 2411 2438  
2441 2451 2533  
2581

Combat Station 67 158 321  
347

Rhinesomus trigonus (Linnaeus)

Silver Bay Station 850

Rhinesomus triquetus (Linnaeus)

Oregon Station 896

Silver Bay Station 353

TETRACODONTIDAE

Colomesus psittacus (Bloch and Schneider)

Oregon Station 2215 2325

Lagocephalus laevigatus (Linnaeus)

Oregon Station 1553 1554 1558  
1628 1629 1636  
1638 1654 1657  
1663 1664 1671  
1702 1717 1757  
2898 2910 2925  
2967 2984 2993  
3015 3027 3039  
3082 3124

Silver Bay Station 6 7 8  
9 48 180  
181 182 187  
188 189 190  
194 202 203  
204 208 267  
274 279 281  
352 360 361  
366 368 374  
573 574 799  
800 802 837  
845 846 1208  
1228 1259 1297  
1348 1506 1507  
2439 2441 2533  
2545

Combat Station 71

Pelican Station 15

Sphoeroides dorsalis Longley

Oregon Station 892 901 1892  
1895 2168 2249  
2261

Silver Bay Station 384 390 404  
422 433 437  
1218 1233 1266  
1268 1270 1273  
1341 1523 1525  
1526 1621 1669  
1672 2078 2155  
2344 2360 2410  
2532 2542 2544  
2579 2692 2721  
2842a

Combat Station 164 341 371  
386 428 496

Sphoeroides maculatus (Bloch and Schneider)

Silver Bay Station 1212 1213 1226  
1227 1228 1240  
1256 1263 1264  
1308 1325 1396  
1522 2533 2578  
2579 2806 2842a  
2913 2922 2949

Combat Station 312 383 425

Sphoeroides marmoratus (Ranzani)

George M. Bowers  
Station Eleuthera, Hatchet Bay  
3 miles off-shore, April 20-  
May 3, 1960

Sphoeroides nephelus (Goode and Bean)

Silver Bay Station 1213

Sphoeroides pachygaster (Müller and Troschel)

Oregon Station 1550

Silver Bay Station 438

Sphoeroides spengleri (Bloch)

Oregon Station 892 901 1892  
1895 1834



CHAUNACIDAE (contd.)		2423	2457	2458
		2469	2474	2477
		2479	2483	
	<u>Combat Station</u>	1	18	21
		23	32	38
		83	87	186
		238	271	274
		295	300	301
		302	306	310
		312	313	314
		315	323	324
		325	358	362
		416	430	431
		434	436	438
		439	441	442
		444	445	446
		450	453	459
		463	477	479
		486		
	<u>Pelican Station</u>	18	20	27
		29	36	38
		43	51	57
		75	76	77
OGCOEPHALIDAE	<u>Dibranchus atlanticus</u> Peters			
	<u>Oregon Station</u>	1019	1425	1442
		1447	1448	1450
		1451	1452	1453
		1455	1456	1505
		1506	1538	1539
		1540	1542	1543
		1546	1547	1548
		1550	1556	1564
		1565	1568	1570
		1572	1573	1574
		1576	1578	1579
		1580	1581	1872
		1885	1909	1918
		1925	1926	1927
		1928	1929	1931
		1942	1943	1945
		1948	1949	1950
		1962	1963	1965
		1966	1967	1969
		1971	2005	2007
		2008	2009	2025
		2026	2030	2084
		2308	2319	2320
		2637	2638	2670
		2674	2775	2782
		2825	3168	3169
		3173		
	<u>Silver Bay Station</u>	212	214	216
		217	218	220
		224	225	226
		227	228	229
		232	235	236
		250	445	454
		457	458	460
		468	470	1178
		1179	1180	1181
		1190	1191	1195
		1196	1197	1199
		1203	1551	1604
		1605	1607	1608
		1619	2062	2063
		2064	2065	2067
		2069	2070	2074
		2075	2076	2420
		2421	2458	2423
	<u>Combat Station</u>	2	7	8
		10	18	21
		23	32	38
		79	80	84
		85	104	105
		107	186	201
		205	224	228
		279	314	315
		317	319	323
		324	325	331
		362	363	405
		410	430	431
		433	435	436
		438	439	444
		446		
	<u>Pelican Station</u>	13	17	20
		26	27	28
		57	66	76
		77		
	<u>Halieutichthys aculeatus</u> (Mitchill)			
	<u>Oregon Station</u>	936	1004	1020
		1303	1494	1495
		1496	1699	1700
		1701	1704	1706
		1707	1713	1714
		1771	2648	2649
		2650		

OGCOEPHALIDAE (contd.)	<u>Silver Bay Station</u>	8	12	37
		1219	1230	1231
		1259	1268	1504
		1534	1545	1622
		2388	2389	2435
		2467	2470	2523
	<u>Combat Station</u>	76	236	238
		336	350	383
		425	427	
	<u>George M. Bowers Station</u>	32	49	50
	<u>Halieutichthys caribbaeus</u> Garman			
	<u>Oregon Station</u>	1878		
	<u>Combat Station</u>	235		
	<u>Halieutichthys sp.</u>			
	<u>Oregon Station</u>	1986	1987	1997
		2000	2015	2021
		2221	2226	2231
		2232	2234	2245
		2246	2247	2248
		2249	2273	2286
		2303		
	<u>Ogcocephalus cubifrons</u> (Richardson)			
	<u>Silver Bay Station</u>	60		
	<u>Ogcocephalus nasutus</u> (Valenciennes)			
	<u>Silver Bay Station</u>	177	179	181
		1101		
	<u>Combat Station</u>	284	336	337
	<u>George M. Bowers Station</u>	50		
	<u>Ogcocephalus parvus</u> Longley and Hildebrand			
	<u>Oregon Station</u>	1341	1513	1514
		1518	1519	1526
		1527	1528	1529
		1530	1550	
	<u>Silver Bay Station</u>	460	1341	1546
		2155	2382	
	<u>Combat Station</u>	76		
	<u>Ogcocephalus radiatus</u> (Mitchill)			
	<u>Oregon Station</u>	1494	1496	1533
		1534	1535	1536
		1688		
	<u>Silver Bay Station</u>	3	35	48
		81	88	89
		90	92	93
		97	98	100
		108	109	110
		111	153	154
		155	156	158
		159	163	164
		165	170	718
	<u>Combat Station</u>	94		
	<u>Pelican Station</u>	7	8	14
		21	22	23
		24		
	<u>Ogcocephalus vespertilio</u> (Linnaeus)			
	<u>Oregon Station</u>	1699	1709	1743
		2268		
	<u>Silver Bay Station</u>	165	166	167
		437	1006	2389
	<u>Ogcocephalus sp.</u>			
	<u>Silver Bay Station</u>	12	222	1268
		1621	1670	
	<u>Combat Station</u>	283	333	334
		339	353	385
		405	496	
	<u>CERATIIDAE</u>			
	<u>Ceratias holboellii</u> Kroyer			
	<u>Combat Station</u>	191		
	<u>Cryptopsaras couesi</u> Gill			
	<u>Oregon Station</u>	1448	2507	2944
		2945	3103	3258
	<u>Combat Station</u>	11	42	84

DICERATIIDAE	<u>Diceratias bispinosus</u> † Günther				<u>Himantolophus groenlandicus</u> Reinhardt			
	<u>Oregon</u> Station	2010	2011		<u>Oregon</u> Station	1486	1955	
	<u>Paroneirodes wedli</u> (Pietschmann)				<u>Combat</u> Station	42		
	<u>Oregon</u> Station	1911			<u>Himantolophus compressus</u> Osorio			
	<u>Silver Bay</u> Station	1197			<u>Combat</u> Station	421		
ONEIRODIDAE	<u>Chaenophryne</u> sp.			MELANOCETIDAE	<u>Melanocetus johnsoni</u> Günther			
	<u>Oregon</u> Station	2567			<u>Silver Bay</u> Station	1277		
	<u>Dolopichthys</u> sp.				<u>Melanocetus murrayi</u> Günther			
	<u>Oregon</u> Station	2573			<u>Oregon</u> Station	2201	2570	2575
	<u>Oneirodes</u> sp.			LINOPHYRIDAE	<u>Linophryne arborifera</u> Regan			
	<u>Oregon</u> Station	2577			<u>Oregon</u> Station	2573	2576	3258
	<u>Oneirodes bradburyae</u> Grey				<u>Silver Bay</u> Station	1607		
	<u>Oregon</u> Station	1028			<u>Linophryne brevibarbis</u> Parr			
	<u>Thaumatichthys</u> sp. oov.				<u>Pelican</u> Station	53		
	<u>Oregon</u> Station	2567						
HIMANTOLOPHIDAE	<u>Corynolophus reinhardti</u> ? (Lütken)							
	<u>Pelican</u> Station	43						

Table 1.--M/V Oregon station list

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		° F.	° F.	° F.	
1430	17°30'	64°40'	1-18-56	--	--	--	81	--	--	Longline
1431	17°40'	68°05'	1-21-56	0917-1440	--	--	80	79	--	Longline
1432	16°29'	69°30'	1-22-56	0630-1415	--	--	79	79	--	Longline
1433	15°10'	71°10'	1-23-56	0730-1030	2400	--	82	79	--	Longline
1434	16°15'	77°50'	1-25-56	0740-1040	1200	--	78	78	--	Longline
1435	17°55'	80°25'	1-26-56	0630-1440	2000	--	76	78	--	Longline
1436	19°30'	81°50'	1-27-56	0633-1121	1600	--	75	77.5	--	Longline
1437	21°05'	84°10'	1-28-56	0630-1115	2200	--	--	76	--	Longline
1438	24°08'	85°25'	1-29-56	1445-1525	2064	--	74	76	--	Longline
1439	24°55'	86°45'	1-30-56	0640-1140	2160	--	66	63	--	Longline
1440	27°35'	87°37'	1-31-56	0830-1200	1580	--	67	66	52.3	40' flat trawl
1441	27°10'	88°05'	2-16-56	0325-0345	200	gy. s. M.	70	68	50	80' balloon trawl
1442	27°11'	88°03'	2-16-56	0845-0915	225-230	--	70	67	--	80' balloon trawl
1443	29°02'	88°12'	2-16-56	1410-1445	215	gy. M.	68	--	50.9	72' balloon trawl
1444	29°10'	88°02'	2-16-56	1730-1815	240	gy. M.	70	67	--	72' balloon trawl
1445	29°15'	87°54'	2-16-56	0030-0115	250	gy. s. M.	68	67	--	80' balloon trawl
1446	29°17'	87°40'	2-17-56	0555-0630	260	M.	69	64	--	80' balloon trawl
1447	29°20'	87°30'	2-17-56	1330-1410	240	M.	70	67	--	80' balloon trawl
1448	29°15'	87°45'	2-17-56	2050-2125	240	--	74	68	--	80' balloon trawl
1449	29°13'	87°42'	2-1-56	0200-0245	250	M.	70	67	--	80' balloon trawl
1450	29°17'	87°41'	2-18-56	0605-0835	240	--	70	67	--	80' balloon trawl
1451	29°20'	87°29'	2-18-56	1315-1400	275	M.	70	67	--	80' balloon trawl
1452	29°13'	87°37'	2-18-56	1830-1910	240	M.	68	65-70	--	80' balloon trawl
1453	29°28'	87°07'	2-18-56	0200-0235	240	M.	70	68	--	80' balloon trawl
1454	29°22'	86°55'	2-19-56	0755-0835	225	M.	74	68	--	80' balloon trawl
1455	29°30'	87°08'	2-19-56	1410-1440	225	M.	74	68	9.75	80' balloon trawl
1456	29°31'	86°54'	2-19-56	2120-2155	225	M.	74	68	--	80' balloon trawl
1457	29°30'	87°10'	2-13-56	0330-0410	200	M.	70	69	--	80' balloon trawl
1458	29°24'	87°24'	2-13-56	1025-1105	240	M.	70	69	--	80' balloon trawl
1459	29°18'	87°36'	2-20-56	1320-1400	225-235	M.	68	69	--	80' balloon trawl
1460	29°17'	87°3	2-20-56	1825-1910	265	M.	68	69	--	80' balloon trawl
1461	29°18'	87°44'	2-20-56	0100-0150	250	M.	60	--	--	80' balloon trawl
1462	29°13'	87°53'	2-22-56	1010-1030	200	g. M.	70	68	--	80' balloon trawl
1463	29°15'	87°51'	2-22-56	0405-0435	200	g. M.	70	68	--	80' balloon trawl
1464	29°13'	88°02'	2-23-56	1010-1035	200	g. M.	70	68	--	80' balloon trawl
1465	29°14'	87°52'	2-23-56	1120-1120	215	g. M.	70	68	--	80' balloon trawl
1466	29°12'	88°04'	2-23-56	2225-2300	215	M.	66	64	--	80' balloon trawl
1467	29°14'	87°51'	2-23-56	0525-0600	215	M.	65	65	--	80' balloon trawl
1468	28°45'	88°07'	3-23-56	0925-1106	1000	--	70	74	--	Longline
1469	27°13'	89°35'	3-23-56	0913-1210	1184	--	80	72	--	Longline
1470	25°40'	91°05'	3-25-56	--	1440	--	70	--	--	Dip net
1471	25°40'	91°03'	3-25-56	--	1940	--	70	75	--	Longline
1472	24°45'	91°42'	3-26-56	--	2000	--	72	--	--	Dip net
1473	24°48'	91°40'	3-26-56	0550-0300	2000	--	70	76	--	Longline
1474	23°47'	92°25'	3-27-56	0400-1145	2200	--	80	74	--	Longline
1475	24°25'	93°05'	3-28-56	0900-1050	2030	--	75	73	--	Longline
1476	22°45'	92°48'	3-23-56	--	2000	--	80	74	--	Longline
1477	21°22'	92°25'	3-29-56	--	114	--	76	--	--	Dip net
1478	21°20'	92°26'	3-30-56	1030-1347	400-1500	--	84	76	--	Longline
1479	20°55'	94°01'	3-30-56	--	1265	--	76	--	--	Dip net
1480	20°52'	94°15'	3-31-56	1020-1311	1265	--	80	75.5	--	Longline
1481	19°35'	95°15'	4-1-56	--	1260	--	76	76.5	--	Longline
1482	19°30'	95°15'	4-2-56	--	1205	--	78	76	--	Longline
1483	20°40'	96°05'	4-2-56	--	940	--	76	--	--	Dip net
1484	20°50'	96°53'	4-3-56	--	1220	--	78	76	--	Longline
1485	22°20'	97°05'	4-3-56	--	1060	--	78	--	--	Dip net
1486	22°25'	97°00'	4-4-56	--	1056	--	80	--	--	Longline
1487	--	--	4-11-56	--	--	--	--	--	--	Dip net
1488(A)	13°40'	95°20'	4-11-56	0910-1140	1300	--	75	77	--	Longline
1488(B)	13°30'	95°10'	4-11-56	1600-1745	1205	--	65	77	--	Longline
1489	17°35'	95°28'	4-11-56	--	1278	--	76	76	--	Dip net
1490	17°30'	95°25'	4-12-56	--	1120	--	80	77	--	Longline
1491	20°40'	93°05'	4-13-56	--	1160	--	78	77	--	Longline
1492	20°45'	93°15'	4-13-56	--	1160	--	--	75	--	Dip net
1493	20°40'	93°20'	4-14-56	0900-1340	1020	--	80	76	--	Longline
1494	29°15'	88°30'	5-3-56	2010-0010	0	M.	75	76.5	--	40' flat trawl
1495	28°48'	89°26'	5-4-56	0630-0800	45	bu. M.	72	75	65.3	40' flat trawl
1496	28°13'	90°25'	5-4-56	--	50	M.	77	75	--	40' flat trawl
1497	28°18'	90°42'	5-4-56	--	35	M.	72	74	69.9	40' flat trawl
1498	28°20'	90°45'	5-4-56	2035-2310	70	M.	72	74	69.8	40' flat trawl
1499	28°20'	91°30'	5-5-56	0400-0545	5	s. M.	78	74	70.7	40' flat trawl
1500	28°05'	92°36'	5-5-56	1325-1510	52	M.	78	75	65.4	40' flat trawl
1501	27°48'	94°40'	5-6-56	0225-0340	200	M.	74	74	53.2	40' flat trawl
1502	27°48'	94°50'	5-6-56	0430-0710	225	bu. M.	74	75	52.2	40' flat trawl
1503	27°48'	94°45'	5-6-56	0730-0850	200	s. M.	74	76	--	40' flat trawl
1504	27°48'	94°45'	5-6-56	0955-1225	200	M.	75	76	52.8	40' flat trawl
1505	27°40'	94°55'	5-6-56	1350-1655	250	gy. M.	76	76	50	40' flat trawl
1506	27°40'	94°58'	5-6-56	1815-2115	275	--	76	76	--	40' flat trawl
1507	27°43'	95°05'	5-6-56	2220-0120	300	bu. gy. M.	76	75.5	--	40' flat trawl
1508	27°40'	95°35'	5-7-56	0420-0550	200	s. M.	76	75	53.1	40' flat trawl
1509	27°38'	95°35'	5-7-56	0855-1155	225	M.	76	76	49.8	80' balloon trawl
1510	27°40'	95°45'	5-7-56	1400-1515	100	M.	78	76	--	80' balloon trawl
1511	27°42'	95°43'	5-7-56	1610-1725	70	Co. M.	78	75	--	80' balloon trawl
1512	27°57'	94°55'	5-8-56	0500-2400	50	R.	78	76	68.3	Handline
1513	27°51'	94°52'	5-9-56	1120-1415	100	M.	78	77	61.2	40' flat trawl
1514	27°50'	94°45'	5-9-56	1525-1825	130	M.	78	77	59	40' flat trawl
1515	28°40'	89°50'	5-13-56	1200-2130	43	R.	80	78	67.2	Handline
1516	29°05'	88°29'	5-14-56	1410-1440	210	M.	80	78	50.6	40' flat trawl
1517	29°10'	88°10'	5-15-56	1400-1615	220	M.	81	76	43.3	103' balloon trawl
1518	29°11'	88°02'	5-15-56	1910-2310	250	M.	78	75	47.6	103' balloon trawl
1519	29°13'	87°54'	5-16-56	0625-1130	260	M.	74	76	47.2	103' balloon trawl
1520	29°10'	88°05'	5-16-56	1245-1520	250	s. M.	73	77	--	103' balloon trawl
1521	29°13'	87°58'	5-16-56	1810-2200	230	M.	78	76	43.1	40' flat trawl
1522	29°03'	88°14'	5-17-56	0830-1100	225	M.	70	77	--	40' flat trawl
1523	29°05'	88°23'	5-17-56	1140-1240	215	M.	75	77	--	40' flat trawl
1524	29°08'	88°19'	5-17-56	1430-1830	200	M.	75	77	50.4	80' balloon trawl
1525	29°10'	88°08'	5-17-56	1930-2230	220	M.	72	76	49.2	80' balloon trawl
1526	29°11'	87°53'	5-18-56	0825-1130	230	M.	74	75	47.5	80' balloon trawl
1527	29°10'	88°09'	5-18-56	1225-1630	250	M.	77	78	47.6	80' balloon trawl
1528	29°07'	88°22'	5-18-56	1725-2230	225	M.	83	78	49.3	80' balloon trawl
1529	29°11'	88°04'	5-19-56	0850-1150	250	M.	84	78	47.5	100' flat trawl
1530	29°09'	88°16'	5-13-56	1250-1550	240	M.	66	80	48.2	100' flat trawl
1531	29°08'	88°45'	5-13-56	1920-2020	45	M.	78	73	65.8	100' flat trawl
1532	29°14'	88°44'	5-13-56	2120-2200	36	br. bu. M.	76	78	70.5	100' flat trawl



Table 1.--M/V Oregon station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		° F.	° F.	° F.	
1533	29°16'	88°20'	5-20-56	1925-2025	42	M.	90	78	65.6	80' balloon trawl
1534	29°16'	88°25'	5-20-56	2130-2230	60	M.r.	90	78	63.4	80' balloon trawl
1535	29°03'	88°40'	5-21-56	0025-0125	45	M.	90	79	65.6	125' semi-balloon trawl
1536	29°17'	88°51'	5-21-56	0435-0535	30	M.	88	79	70.8	125' semi-balloon trawl
1537	24°29'	83°27'	6-15-56	0610-0835	212	Lt. gy. M.	85	80	50.4	72' balloon trawl
1538	24°29'	83°32'	6-15-56	0940-1240	210	Lt. gy. M.	85	80	48.7	72' balloon trawl
1539	24°28'	83°30'	6-16-56	1350-1650	220	Lt. gy. M.	82	79.9	50.5	72' balloon trawl
1540	24°22'	83°35'	6-16-56	1810-2210	220	Lt. gy. M.	81	80	--	72' balloon trawl
1541	24°28'	83°29'	6-16-56	2305-0305	220	Lt. gy. M. & Co. r.	--	79.5	--	72' balloon trawl
1542	24°33'	83°35'	6-16-56	0500-0300	220	Lt. gy. M. S.	83	80	--	72' balloon trawl
1543	24°28'	83°28'	6-16-56	1025-1425	210	--	81	79.5	50.2	72' balloon trawl
1544	24°30'	83°36'	6-16-56	1550-2045	210	Lt. gy. M. & S.	75	80	--	72' balloon trawl
1545	24°28'	83°28'	6-17-56	2430-0430	210	--	80	79	--	100' flat trawl
1546	24°28'	83°30'	6-17-56	0605-1005	210	Lt. gy. M. S. & Co. R.	83	80	--	100' flat trawl
1547	24°28'	83°30'	6-17-56	1115-1445	210	--	83.5	79.9	50.2	100' flat trawl
1548	24°25'	83°22'	6-17-56	1635-2030	210	--	80	80	--	80' balloon trawl
1549	24°29'	83°31'	6-17-56	2135-0135	220	Lt. gy. M. & Co. r.	78	80	--	80' balloon trawl
1550	24°28'	83°29'	6-18-56	0245-0645	212	M. S.	81	79	--	80' balloon trawl
1551	24°25'	83°23'	6-18-56	0750-1145	215	--	81	79.5	--	80' balloon trawl
1552	24°24'	83°15'	6-18-56	1505-1605	75	Co.	80	80	62.8	40' flat trawl
1553	24°42-45'	83°06-08'	6-18-56	--	28-30	--	--	78	--	40' flat trawl
1554	24°45'	83°06'	6-18-56	2335-0005	28	--	79	79	--	40' flat trawl
1555	24°55'	84°17'	6-19-56	0740-0315	215	Co.	85	81.5	--	Ballerina 76'
1556	26°24'	84°45'	6-19-56	1920-2230	210	Lt. gy. M.	81	81	58.8	80' balloon trawl
1557	29°30'	87°10'	6-20-56	2140-2440	215	bl. M.	79	73	52.9	80' balloon trawl
1558	29°41'	87°11'	6-21-56	0335-0435	100	--	79	78.5	57.3	40' flat trawl
1559	29°50'	87°14'	6-21-56	0558-0658	45	--	79	78.5	66.6	40' flat trawl
1560	30°14'	87°28'	6-21-56	1030-1100	5.5	S.	84	79	75.6	40' flat trawl
1561	29°14'	87°54'	6-22-56	0240-0500	200	gy. M.	79	80	72	72' balloon trawl
1562	29°13'	87°56'	6-22-56	0620-0850	210	M.	84	79.5	52	72' balloon trawl
1563	29°11'	88°03'	6-22-56	0950-1230	230	gy. M.	83.5	79.5	50.7	72' balloon trawl
1564	29°10'	88°08'	6-22-56	1335-1605	240	gy. M.	81	80.5	51.8	72' balloon trawl
1565	29°11'	88°02'	6-22-56	1710-2110	240	gy. M.	79	79	52.2	72' balloon trawl
1566	29°13'	87°54'	6-23-56	2220-0220	250	gy. M.	79	80	--	72' balloon trawl
1567	29°11'	88°05'	6-23-56	0335-0735	250	--	81	82	--	72' balloon trawl
1568	29°09'	88°12'	6-23-56	0835-1235	250	--	84	82.5	--	72' balloon trawl
1569	29°11'	88°02'	6-23-56	1320-1720	250	--	86	83.5	--	72' balloon trawl
1570	29°03'	88°14'	6-23-56	1810-2210	250	--	81	80.5	--	72' balloon trawl
1571	29°10'	88°07'	6-23/24-56	--	250	hd. M.	80.5	80	--	72' balloon trawl
1572	29°10'	88°10'	6-24-56	0550-0950	250	M.	91	80	--	72' balloon trawl
1573	29°12'	87°57'	6-24-56	1045-1445	250	S.	86	82	--	72' balloon trawl
1574	29°10'	88°07'	6-24-56	1545-1945	250	M.	80.5	81	--	72' balloon trawl
1575	29°12'	87°59'	6-24/25-56	--	250	M. Sh.	87	81	--	72' flat trawl
1576	29°10'	88°06'	6-25-56	0150-0550	250	M. Sh.	86	80	--	72' balloon trawl
1577	29°13'	87°55'	6-25-56	0640-1040	250	M.	83	83	--	72' balloon trawl
1578	29°11'	88°03'	6-25-56	1155-1545	250	M.	86	82	49.3	72' balloon trawl
1579	29°13'	87°56'	6-25-56	1650-2050	250	G. M.	80	81.5	--	72' balloon trawl
1580	29°10'	88°07'	6-25/26-56	2145-0145	250	M.	80	80.5	--	72' balloon trawl
1581	29°12'	87°57'	6-26-56	0245-0645	250	M.	82	80.5	--	72' balloon trawl
1582	28°58'	87°55'	7-20-56	0600-0955	900	--	83	83.5	--	Longline
1583	28°44'	88°08'	7-20-56	--	1000	--	86	84	--	Dip net
1584	28°45'	88°05'	7-21-56	0625-1000	1000	--	82	83	--	Longline
1585	28°20'	88°37'	7-21-56	--	900	--	84	84	--	Dip net
1586	28°17'	88°35'	7-22-56	0600-1000	900-1000	--	82	84	--	Longline
1587	28°17'	88°29'	7-22-56	--	1000	--	86	84.5	--	Dip net
1588	28°17'	88°33'	7-23-56	0635-1000	900	--	84	85	--	Longline
1589	28°47'	87°56'	7-23-56	--	1100	--	84	--	--	Dip net
1590	28°45'	88°03'	7-24-56	0605-0300	900	--	88	84	--	Longline
1591	28°50'	87°58'	7-24-56	--	800	--	85	84	--	Dip net
1592	28°51'	87°59'	7-25-56	0615-0930	800	--	83	84	--	Longline
1593	28°50'	87°58'	7-26-56	--	900	--	86	84.5	--	--
1594	28°59'	87°49'	7-26-56	0540-0830	800	--	85	85	--	Longline
1595	28°17'	88°55'	11-17-56	--	950	--	--	77	--	Longline
1596	26°59'	90°48'	11-18-56	--	1100	--	78	80	--	Longline
1597	26°20'	89°57'	11-19-56	0630-0130	1300	--	78	83.5	--	Longline
1598	24°33'	90°12'	11-20-56	0500-0630	2050	--	85	82	--	Longline
1599	24°22'	90°05'	11-21-56	--	1800	--	--	79.5	84	--
1600	20°12'	91°59'	11-23/24-56	--	11	R. Co. S.	--	82	--	Dip net
1601	20°10'	92°25'	11-24-56	--	930	--	82	82	--	Longline
1602	--	--	11-24-56	--	--	--	--	--	--	Dip net
1603	20°50'	93°00'	11-25-56	0730-1000	1160	--	77	--	--	Longline
1604	20°50'	93°00'	11-25-56	1400-1527	1160	--	78	82.5	--	Longline
1605	20°40'	92°55'	11-25/26-56	--	1160	--	--	--	--	Dip net
1606	20°55'	93°00'	11-26-56	--	1300	--	--	82	--	Longline
1607	--	--	11-26/27-56	--	15-20	Co. R. S.	--	--	--	Dip net
1608	--	--	11-29/30-56	--	--	--	--	--	--	Dip net
1609	28°06'	88°33'	11-30-56	--	800-1000	--	54	75	--	Longline
1610	28°30'	88°42'	12-4-56	0700-0927	755	--	77	75.5	--	Longline
1611	28°30'	88°42'	12-4/5-56	--	755	--	--	--	--	Dip net
1612	28°21'	88°44'	12-5-56	0630-0920	755	--	78	75.5	--	Longline
1613	--	--	12-5-56	1500-1610	755	--	76	76	--	Longline
1614	28°21'	88°42'	12-5/6-56	--	755	--	--	--	--	Dip net
1615	28°30'	88°45'	12-6-56	--	675	--	--	75	--	Longline
1616	28°30'	88°45'	12-6/7-56	--	675	--	--	76	--	Dip net
1617	28°29'	88°50'	12-7-56	--	645	--	78	76	--	Longline
1618	28°29'	88°50'	12-7/8-56	--	645	--	--	--	--	Dip net
1619	28°26'	88°46'	12-8-56	0700-1006	700	--	79	76	--	Longline
1620	28°25'	88°45'	12-8/9-56	--	755	--	--	--	--	Dip net
1621	28°30'	88°47'	12-9-56	--	675	--	74	76	--	Longline
1622	26°25'	88°43'	12-10-56	--	--	--	60	75.5	--	Longline
1623	28°25'	88°44'	12-10/11-56	--	755	--	66	--	--	Dip net
1624	28°50'	88°44'	12-11-56	--	755	--	73	75	--	Longline
1625	28°00'	88°45'	12-11/12-56	--	--	--	--	--	--	Dip net
1626	27°54'	88°45'	12-12-56	--	950	--	--	--	--	Longline
1627	27°34'	88°11'	1-7-57	--	20	S.	--	70.5	66.2	52' trawl
1628	27°34'	88°12'	1-8-57	0750-0800	20-22	S.	--	71	69.4	52/70' trawl
1629	27°27'	88°12'	1-8-57	1220-1235	26-27	--	--	72	70.2	52/70' trawl
1630	27°20'	88°16'	1-8-57	1555-1610	33	--	68	72	69.3	52/70' trawl
1631	27°25'	87°55'	1-8-57	2010-2025	37	--	--	72	65.8	52/70' trawl
1632	27°27'	87°48'	1-8-57	2240-2250	37	gy. S. Sh.	--	71.5	68.4	52/70' trawl
1633	27°27'	87°38'	1-9-57	0925-0935	37	R.	--	73	70.2	52/70' trawl
1634	27°26'	87°35'	1-9-57	1050-1100	--	--	--	--	--	52/70' trawl
1635	27°26'	87°35'	1-9-57	1410-1420	--	--	--	--	--	52/70' trawl
1636	27°33'	87°31'	1-9-57	1940-1945	32	S.	68	66.6	69	60' trawl
1637	27°45'	87°30'	1-9-57	2230-2240	20	S.	--	66.2	69	60' trawl
1638	27°50'	87°25'	1-10-57	1030-1040	18	--	73	69	66.6	60' trawl

Table 1.--M/V Oregon station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		° F.	° F.	° F.	
1639	29°49'	87°19'	1-10-57	1425-1555	30	--	74	68.5	66.6	60' trawl
1640	29°59'	87°06'	1-10-57	1555-1600	30	S.	65	69.5	66.2	60' trawl
1641	29°57'	88°40'	1-18-57	0700-0900	8	S.	45	65.6	59.4	60' trawl
1642	29°46'	88°12'	1-18-57	1100-1215	20	--	46	70	69.1	60' trawl
1643	29°45'	88°12'	1-18-57	1400-1410	20	--	48	--	--	30' midwater trawl
1644	29°45'	88°12'	1-18-57	1500-1630	20	S.	57	73	--	30' midwater trawl
1645	29°47'	87°10'	1-21-57	1255-1335	70	--	70	--	--	30' midwater trawl
1646	29°50'	87°03'	1-21-57	1515-1725	98	--	70	--	--	30' midwater trawl
1647	30°17'	87°13'	1-23-57	0830-0850	7	S.	60	--	--	52/70' trawl
1648	30°11'	86°55'	1-23-57	--	17	S.	58	68	--	52/70' trawl
1649	30°18'	87°11'	1-24-57	--	7	S.	54	63.5	--	52/70' trawl
1650	30°19'	87°07'	1-24-57	1325-1415	4	S.	60	64	--	52/70' trawl
1651	29°46'	87°59'	1-24-57	--	20	--	65	--	--	52/70' trawl
1652	29°41'	87°43'	1-24-57	2110-2225	22	--	--	--	--	52/70' trawl
1653	29°41'	87°55'	1-24/25-57	2325-1225	22	--	--	--	--	52/70' trawl
1654	29°47'	88°25'	2-6-57	0605-0735	19	M.S.Sh.	68	72	64	52/70' trawl
1655	29°58'	88°20'	2-6-57	--	22	M.S.	73	74	70	52/70' trawl
1656	29°53'	88°18'	2-6-57	1110-1240	23	--	76	74	--	52/70' trawl
1657	29°28'	88°18'	2-6-57	1320-1430	27	--	76	77	--	52/70' trawl
1658	29°23'	88°19'	2-6-57	1455-1615	30	Co.M.	--	--	--	52/70' trawl
1659	29°30'	88°16'	2-6-57	1755-1885	27	--	70	75	--	52/70' trawl
1660	29°35'	88°22'	2-7-57	0550-0720	22	--	71	74	--	52/70' trawl
1661	29°41'	88°18'	2-7-57	0745-0900	21	M.	71	74	--	52/70' trawl
1662	29°29'	88°11'	2-7-57	1035-1145	26	--	74	75	--	52/70' trawl
1663	29°31'	88°07'	2-7-57	1225-1340	23	M.Sh.	72	75	70.1	52/70' trawl
1664	29°35'	88°06'	2-7-57	1415-1530	22	--	72	75	--	52/70' trawl
1665	29°35'	88°08'	2-7-57	1900-0000	22	--	70	--	--	Dip net
1666	29°35'	88°10'	2-8-57	--	22	M.Sh.	72	75	--	52/70' trawl
1667	29°32'	88°11'	2-8-57	0745-0900	23	M.Sh.	74	75	--	52/70' trawl
1668	29°32'	88°12'	2-8-57	1000-1115	23	--	74	75	--	52/70' trawl
1669	29°36'	88°10'	2-8-57	1200-1315	22	M.Sh.	76	75.5	--	52/70' trawl
1670	29°33'	88°10'	2-8-57	1340-1435	23	M.Sh.	76	75.5	--	52/70' trawl
1671	29°37'	88°08'	2-8-57	1520-1630	19	M.Sh.	89	76	--	52/70' trawl
1672	29°41'	85°34'	2-10-57	--	13	S.	85	73	--	8' scallop dredge
1673	29°27'	84°56'	2-10-57	2015-2100	10-12	S.	70	71	--	8' scallop dredge
1674	29°25'	84°56'	2-10-57	2125-2210	13	S.	70	71	--	--
1675	29°24'	84°57'	2-10-57	2230-2330	13	S.	70	71	--	8' scallop dredge
1676	29°18'	84°59'	2-11-57	2350-2450	13-15	S.	70	73	--	8' scallop dredge
1677	29°26'	84°58'	2-11-57	0220-0320	9	S.M.Gv.	70	73.5	--	8' scallop dredge
1678	29°26'	84°58'	2-11-57	--	--	S.Sh.	70	--	--	8' scallop dredge
1679	29°28'	84°50'	2-11-57	0515-0615	--	S.	70	--	--	8' scallop dredge
1680	29°30'	85°30'	2-11-57	1125-1225	14	--	66	72	--	8' scallop dredge
1681	29°40'	85°35'	2-11-57	1415-1515	14	S.R.	66	73	--	8' scallop dredge
1682	29°39'	85°42'	2-11-57	1530-1630	15	S.R.	78	72	--	8' scallop dredge
1683	28°38'	85°47'	2-11-57	1640-1740	18	S.	67	71.5	--	--
1684	29°44'	85°46'	2-11-57	1750-1850	17	S.Sh.	65	70.5	--	8' scallop dredge
1685	29°52'	85°44'	2-11-57	1905-2005	17	S.Sh.	64	70	--	8' scallop dredge
1686	29°52'	85°46'	2-11-57	2020-2120	17	S.Sh.	64	70	--	8' scallop dredge
1687	29°58'	85°45'	2-11-57	2155-2255	15	S.Sh.	58	71	--	8' scallop dredge
1688	29°55'	85°41'	2-11/12-57	--	12-14	S.Sh.	58	70	--	8' scallop dredge
1689	29°52'	85°36'	2-12-57	--	12-15	S.Sh.	55	70	--	8' scallop dredge
1690	29°47'	85°40'	2-12-57	0140-0240	15	S.Sh.	--	--	--	8' scallop dredge
1691	29°44'	85°45'	2-12-57	0305-0405	16	S.Sh.	--	--	--	--
1692	30°04'	85°57'	2-12-57	--	16	Spg.Co.R.	50	--	--	8' scallop dredge
1693	30°10'	86°01'	2-12-57	0855-0955	14	--	51	--	--	8' scallop dredge
1694	30°15'	86°01'	2-12-57	1015-1115	9	S.Sh.	54	67.5	--	8' scallop dredge
1695	30°13'	85°56'	2-12-57	1125-1225	9	S.Sh.Spg.	62	69	--	8' scallop dredge
1696	30°09'	85°57'	2-12-57	1240-1255	5-12	Co.Sp.S.Sh.	60	68	--	8' scallop dredge
1697	30°07'	86°00'	2-12-57	1320-1420	12-14	Co.Sp.S.Sh.	61	64	--	8' scallop dredge
1698	30°05'	86°07'	2-12-57	1430-1530	17	Spg.R.S.	64	--	--	8' scallop dredge
1699	30°03'	86°12'	2-12-57	1540-1640	20	--	63	--	--	8' scallop dredge
1700	29°59'	86°13'	2-12-57	1650-1750	25	--	59	70	--	8' scallop dredge
1701	29°59'	86°17'	2-12-57	1800-1900	25	Sp.S.R.	58	69.5	--	8' scallop dredge
1702	30°04'	86°17'	2-12-57	2015-2115	20	Sp.Sh.S.	59	70	--	8' scallop dredge
1703	30°06'	86°12'	2-12-57	2130-2230	17	--	59	63.5	--	8' scallop dredge
1704	30°02'	86°13'	2-12-57	2240-2340	23	Spg.R.S.	58	70	--	8' scallop dredge
1705	29°57'	86°13'	2-12/13-57	2350-0050	25	Sp.R.S.	60	70	--	8' scallop dredge
1706	30°06'	87°04'	2-13-57	0600-0700	17	Sng.R.S.	61	--	--	8' scallop dredge
1707	30°02'	87°03'	2-13-57	0715-0815	27	Sp.S.R.	75	--	--	8' scallop dredge
1708	30°05'	87°03'	2-13-57	0830-0930	18	S.	60	--	--	8' scallop dredge
1709	30°07'	87°06'	2-13-57	0945-1045	13	S.	61	69	--	8' scallop dredge
1710	30°11'	87°04'	2-13-57	1055-1155	11	S.	62	70	--	8' scallop dredge
1711	30°03'	87°12'	2-13-57	1225-1330	21	--	65	71	--	8' scallop dredge
1712	30°03'	87°14'	2-13-57	1340-1440	21	S.	68	70	--	8' scallop dredge
1713	30°03'	87°14'	2-13-57	1450-1525	21	S.R.	72	70	--	8' scallop dredge
1714	30°02'	87°13'	2-13-57	1550-1620	17	S.	66	--	--	8' scallop dredge
1715	30°03'	87°14'	2-13-57	1630-1700	18	--	68	71	--	8' scallop dredge
1716	29°47'	85°38'	2-15-57	0610-0710	15	S.	66	69	--	52/70' trawl
1717	29°44'	85°35'	2-15-57	0730-0830	13	S.Sh.	67	--	--	52/70' trawl
1718	29°31'	85°20'	2-15-57	1025-1125	12	--	67	69	--	52/70' trawl
1719	29°00'	85°32'	2-16-57	0600-0620	8	R.Co.S.Sh.	66	67.5	--	52/70' trawl
1720	28°35'	85°31'	2-16-57	--	9	R.S.	66	68.5	--	60' trawl
1721	28°35'	85°09'	2-16-57	1230-1330	7	Spg.Co.	66	69	--	60' trawl
1722	28°29'	85°21'	2-16-57	1420-1520	7	Spg.Co.S.	68	68	--	60' trawl
1723	29°21'	85°21'	2-16/17-57	--	14	R.S.Co.Spg.Sh.	68	69	--	Dip net
1724	29°49'	85°12'	2-17-57	0610-0710	15-16	--	64	69	--	60' trawl
1725	29°42'	85°20'	2-17-57	0730-0830	16	S.	63	70.5	--	60' trawl
1726	29°50'	87°24'	2-20-57	0420-0520	20	S.Sh.	52	69	--	8' scallop dredge
1727	29°54'	87°30'	2-20-57	0535-0630	19	S.Sh.	52	69	--	8' scallop dredge
1728	29°56'	87°37'	2-20-57	0645-0745	16	S.Sh.	52	63	--	8' scallop dredge
1729	29°51'	87°44'	2-20-57	0750-0850	17	S.Sh.	--	--	--	8' scallop dredge
1730	29°50'	87°52'	2-20-57	0900-1000	17	--	52	69	--	8' scallop dredge
1731	29°44'	87°56'	2-20-57	1010-1110	20	S.Sh.	53	69	--	8' scallop dredge
1732	29°41'	88°02'	2-20-57	1120-1200	20	S.	54	69	--	8' scallop dredge
1733	29°38'	88°06'	2-20-57	--	21	S.	54	69	--	8' scallop dredge
1734	29°41'	88°06'	2-20-57	1355-1455	21	--	54	69	--	60' trawl
1735	29°37'	88°08'	2-20-57	1515-1615	21	--	54	69	--	60' trawl
1736	29°34'	88°13'	2-20-57	1630-1730	23	--	54	63	--	60' trawl
1737	29°30'	88°15'	2-21-57	0350-0450	27	S.	54	69	--	8' scallop dredge
1738	29°35'	88°16'	2-21-57	0500-0600	21	S.	55	70	--	8' scallop dredge
1739	30°08'	88°53'	3-5-57	1920-2020	6	S.Sh.	59	66	--	8' scallop dredge
1740	30°05'	88°48'	3-5-57	2035-2135	6	M.S.Sh.	59	66	--	8' scallop dredge
1741	30°03'	88°42'	3-5-57	2145-2245	7	bl.M.	59	68	--	8' scallop dredge
1742	29°51'	88°47'	3-5/6-57	2345-0045	5	bl.M.	60	68	--	8' scallop dredge
1743	29°46'	88°46'	3-6-57	0105-0200	6	M.	--	--	--	8' scallop dredge

Table 1.--M/V Oregon station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		° F.	° F.	° F.	
1744	29°42'	88°46'	3-6-57	0210-0310	6	--	--	--	--	8' scallop dredge
1745	28°42'	90°12'	3-6-57	1535-1635	20	gy.S.	59	--	--	8' scallop dredge
1746	28°44'	90°16'	3-6-57	1645-1745	16	--	59	--	--	8' scallop dredge
1747	28°44'	90°25'	3-6-57	1800-1900	11	M.Sh.R.	59	69	--	8' scallop dredge
1748	28°46'	90°47'	3-6-57	1955-2050	9	M.S.Sh.	60	70	--	8' scallop dredge
1749	28°46'	90°47'	3-6-57	2130-2225	9	M.Sh.S.	61	70	--	8' scallop dredge
1750	28°45'	90°59'	3-6-57	2305-0005	7	--	--	--	--	8' scallop dredge
1751	28°46'	91°17'	3-7-57	0125-0225	7.5	M.S.R.	--	--	--	8' scallop dredge
1752	28°52'	91°28'	3-7-57	0325-0425	8	M.R.	--	--	--	8' scallop dredge
1753	28°58'	91°49'	3-7-57	0605-0705	8	M.R.Sh.	54	68	--	8' scallop dredge
1754	29°12'	92°47'	3-8-57	1735-1830	10	G.S.M.	48	66	--	8' scallop dredge
1755	29°06'	92°48'	3-8-57	1845-1945	12	R.Sh.S.M.	49	67	--	8' scallop dredge
1756	29°00'	92°50'	3-8-57	1955-2055	13	--	50	68	--	8' scallop dredge
1757	28°53'	92°50'	3-8-57	2105-2205	13	--	52	68	--	8' scallop dredge
1758	28°48'	92°51'	3-8-57	2215-2315	15	Co.Sh.S.	55	69	--	--
1759	28°43'	92°51'	3-8/9-57	2325-0025	18	S.Sh.	55	68	--	--
1760	28°37'	92°53'	3-9-57	1240-0140	20	M.	58	68	--	--
1761	28°32'	92°53'	3-9-57	0150-0250	25	M.S.Sh.	58	70	--	8' scallop dredge
1762	28°36'	92°56'	3-9-57	0300-0400	23	S.Sh.M.	60	70	--	8' scallop dredge
1763	28°40'	93°01'	3-9-57	0415-0515	21	M.S.Sh.	62	70	--	8' scallop dredge
1764	28°45'	93°04'	3-9-57	0545-0645	17	M.S.Sh.	64	70	--	8' scallop dredge
1765	28°39'	93°05'	3-9-57	0700-0800	21	--	65	71	--	8' scallop dredge
1766	28°26'	93°20'	3-9-57	0805-0905	--	R.M.S.	66	70	--	8' scallop dredge
1767	28°21'	93°22'	3-9-57	0915-1015	--	--	66	72	--	8' scallop dredge
1768	28°16'	93°23'	3-9-57	1025-1125	34	S.	66	72	--	--
1769	28°00'	93°43'	3-9-57	--	50	R.Co.	68	72	--	Handline
1770	28°23'	93°44'	3-9-57	1910-2010	30	M.Sh.	63	72	66.4	8' scallop dredge
1771	28°28'	93°44'	3-9-57	2020-2120	25	M.Sh.	63	70.5	--	8' scallop dredge
1772	28°34'	93°46'	3-10-57	2125-2225	20	--	64	70	--	8' scallop dredge
1773	28°37'	93°48'	3-10-57	2235-2335	19	Sh.S.	64	69	66.2	8' scallop dredge
1774	28°41'	93°52'	3-10-57	2355-0055	14	S.	65	69	--	--
1775	28°46'	93°56'	3-10-57	0105-0205	13	--	65	69	--	8' scallop dredge
1776	28°52'	94°01'	3-10-57	0215-0315	13	S.Sh.	65	69	--	--
1777	28°59'	94°03'	3-10-57	0330-0430	11	--	65	69	--	8' scallop dredge
1778	28°38'	94°10'	3-10-57	0715-0815	8	gy.S.Sh.	65	65	--	8' scallop dredge
1779	29°17'	94°04'	3-10-57	0830-0930	8	--	64	65	--	8' scallop dredge
1780	29°17'	93°57'	3-10-57	0945-1040	8	--	66	65	--	--
1781	29°17'	93°52'	3-10-57	1110-1210	8	--	68	66	--	8' scallop dredge
1782	29°15'	93°57'	3-10-57	1220-1305	8	S.Sh.	69	66	--	--
1783	29°14'	94°02'	3-10-57	1325-1420	8	S.Sh.Gra.	66	65	--	8' scallop dredge
1784	28°52'	94°52'	--	3-13-57	10.5	M.	66.5	69	63	60' trawl
1785	28°28'	94°50'	3-13-57	1730-1800	23	R.Co.	68	72	--	60' trawl
1786	28°05'	94°54'	3-13-57	2050-2150	31	--	69	--	--	60' trawl
1787	28°07'	94°53'	3-14-57	0710-0810	29	--	72	73	--	--
1788	28°08'	95°00'	3-14-57	0830-0930	29	--	73	73	70.2	68/80' trawl
1789	28°07'	95°03'	3-14-57	1000-1100	31	--	73	73	--	68/80' trawl
1790	28°06'	95°08'	3-14-57	1120-1220	31	--	75	73.5	--	68/80' trawl
1791	28°03'	95°10'	3-14-57	1245-1345	33	--	75	73.5	--	68/80' trawl
1792	28°00'	95°10'	3-14-57	1410-1510	39	M.	76	73.5	--	68/80' trawl
1793	27°53'	95°18'	3-14-57	1615-1715	53	--	73	73.5	68	68/80' trawl
1794	27°57'	94°55'	--	3-15-57	50	R.	--	--	--	Handline
1795	28°04'	94°51'	3-16-57	--	35	M.Rk.	68	75	67	68/80' trawl
1796	28°04'	94°44'	3-16-57	0850-0950	31	Sp.M.	73	75	--	--
1797	28°04'	94°44'	3-16-57	1020-1120	32	Spg.	73	75	--	--
1798	28°04'	94°50'	3-16-57	1140-1240	32	--	71	75	--	68/70' trawl
1799	28°14'	94°48'	3-16-57	1350-1430	25	--	72	73	--	68/80' trawl
1800	28°10'	94°40'	3-16-57	1540-1635	30	--	70	73	--	68/80' trawl
1801	28°09'	94°36'	3-16-57	1655-1705	30	Rk.Sp.M.	70	73	--	68/80' trawl
1802	28°22'	94°44'	3-17-57	0710-0810	26	M.	70	71.5	--	68/80' trawl
1803	28°08'	94°50'	3-17-57	1330-1430	40	M.	72	73	--	--
1804	--	--	--	5-31-57	--	--	80	78	--	Bait lift net
1805	--	--	--	6-1-57	--	S.	80	85	--	Trap lift net
1806	28°03'	87°08'	6-3-57	--	1245	--	50	85	--	Jackpots
1807	29°06'	88°11'	6-4-57	--	350	--	84	85	--	Jackpots
1808	29°02'	88°11'	6-4-57	--	442	--	88	85	--	Jackpots
1809	29°03'	87°52'	6-4-57	--	780	--	88	85	--	Jackpots
1810	29°03'	87°52'	6-4-57	--	780	--	88	85	--	Dip net
1811	29°00'	87°41'	6-5-57	--	900	--	85	85	--	Jackpots
1812	--	--	6-6-57	--	3	--	85	85	--	Trap net
1813	30°13'	88°30'	6-7-57	--	4	M.	82	85	--	Trap lift net
1814	30°05'	88°33'	6-7-57	--	11	--	82	85	--	Trap lift net
1815	--	--	6-8-57	--	4	--	84	85	--	Trap lift net
1816	30°02'	88°53'	6-8-57	--	5	--	82	85	--	Trap lift net
1817	30°13'	88°58'	6-9-57	--	5	--	83	85	--	Trap lift net
1818	28°43'	87°40'	6-9-57	--	1320	--	83	87	--	Dip net
1819	28°47'	87°35'	6-10-57	--	1500	--	82	86	--	Jackpots
1820	28°40'	88°12'	6-10-57	--	1050	--	82	86	--	Dip net
1821	29°01'	87°51'	6-11-57	--	780-950	--	84	86	--	Jackpots
1822	28°53'	87°30'	6-11-57	--	957	--	83	86	--	Dip net
1823	29°00'	87°30'	6-12-57	--	925	--	82	88	--	Jackpots
1824	29°00'	87°33'	6-12-57	--	925	--	84	87	--	Dip net
1825	29°03'	87°33'	6-13-57	--	852	--	82	88	--	Jackpots
1826	--	--	6-14-57	--	--	--	82	85	--	Dip net
1827	30°20'	87°18'	6-16-57	--	6	--	84	86	--	Trap net
1828	29°01'	87°41'	6-17-57	--	980-400	--	88	88	--	Jackpots
1829	28°52'	87°44'	6-17-57	--	1050	--	88	88	--	Dip net
1830	29°00	87°44'	6-18-57	--	250-900	--	85	87	--	Jackpots
1831	30°00'	88°43'	6-19-57	--	9	--	88	88	--	Trap net
1832	--	--	6-19-57	--	3-4	--	88	88	--	Trap net
1833	30°13'	88°37'	6-20-57	--	4	--	84	86	--	Trap lift net
1834	30°13'	88°29'	6-21-57	--	3	--	84	86	--	Trap lift net
1835	28°55'	87°30'	6-21-57	--	1000	--	86	87	--	Dip net
1836	29°13'	87°51'	6-22-57	--	1200-250	--	86	87	--	Jackpots
1837	23°48'	89°15'	6-25-57	--	150-25	--	82	85	--	Jackpots
1838	25°00'	87°30'	6-27-57	--	1100-1200	--	80	85	--	Jackpots
1839	30°13'	88°29'	6-28-57	--	3	--	80	86	--	Trap lift net
1840	--	--	7-10-57	--	4	--	--	--	--	Trap lift net
1841	20°12'	91°59'	7-12-57	--	6	--	--	86	--	Trap lift net
1842	20°12'	91°59'	7-13-57	--	6	--	--	86	--	Trap lift net
1843	20°12'	91°59'	7-14-57	--	6	--	82	86	--	Trap lift net
1844	22°07'	91°25'	7-15-57	--	9	--	84	86	--	Trap lift net
1845	22°10'	92°15'	7-16-57	0720-1145	1600-1700	--	84	87	--	Longline



Table 1.--M/V Oregon station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		° F.	° F.	° F.	
1846	22°18'	92°30'	7-17-57	0700-1145	1830	--	88	86.5	--	Longline
1847	20°52'	92°45'	7-18-57	0550-0910	1300-1500	--	85-90	86	--	Longline
1848	20°12'	91°59'	7-18-57	--	6	--	--	86	--	Trap lift net
1849	22°07'	91°25'	7-19-57	R.S.	7	--	83	86	--	Trap lift net
1850	22°07'	91°25'	7-20-57	--	5	--	83	86	--	Trap lift net
1851	22°30'	89°47'	7-21-57	--	5	--	83	86	--	Trap lift net
1852	--	--	7-22-57	--	25-1000	--	90	86	--	Jackpoles
1853	22°30'	89°47'	7-22-57	--	5	--	83	86	--	Trap lift net
1854	--	--	7-23-57	--	20-1100	--	87	86	--	Jackpoles
1855	21°38'	92°25'	7-24-57	--	40-1200	--	86	86	--	Jackpoles
1856	20°13'	91°53'	7-25-57	--	10	--	82	86	--	Trap lift net
1857	--	--	7-25-57	--	20-1000	--	82	86	--	Jackpoles
1858	--	--	7-25-57	--	10	--	82	86	--	Trap lift net
1859	20°55'	92°14'	7-26-57	--	--	--	83	86	--	Jackpoles
1860	23°60'	92°00'	7-27-57	--	1900-1500	--	83	87	--	Jackpoles
1861	--	--	8-13-57	--	3½	--	82	--	--	Trap lift net
1862	28°51'	88°03'	8-14-57	0830-1215	980	--	104	86	38	Longline
1863	16°22'	83°31'	8-20-57	--	165-170	lt. gy. M.	83	86	57.2	40' flat trawl
1864	16°23'	83°20'	8-21-57	0430-0438	55	lt. gy. M. Co.	86	87	--	40' flat trawl
1865	16°20'	83°20'	8-21-57	0615-0630	42	lt. gy. M.	86	87	--	40' flat trawl
1866	16°30'	83°30'	8-21-57	0930-0945	38	crs. S.	85	86	76.6	40' flat trawl
1867	16°38'	82°43'	8-21-57	1545-1625	140	lt. gy. M.	84	87	--	40' flat trawl
1868	16°36'	82°37'	8-21-57	1720-1820	175	gy. M.	84	87	--	40' flat trawl
1869	16°38'	82°34'	8-21-57	1935-2035	205-210	gy. M.	84	86	--	40' flat trawl
1870	16°38'	82°29'	8-21-57	--	225	gy. M.	84	86	--	40' flat trawl
1871	16°39'	82°26'	8-22-57	0015-0200	250	gy. M.	85	86	--	40' flat trawl
1872	16°41'	82°20'	8-22-57	0310-0410	300	wh. M.	85	86	--	40' flat trawl
1873	16°40'	82°12'	8-22-57	0600-0640	56	Co.	85	86	--	40' flat trawl
1874	16°43'	81°57'	8-22-57	0940-1010	50	Co.	85	86	--	40' flat trawl
1875	16°39'	81°59'	8-22-57	1055-1155	60	Co. Spg.	85	86	--	40' flat trawl
1876	16°45'	81°53'	8-22-57	1350-1450	100	Co. Spg.	85	87	--	40' flat trawl
1877	16°40'	81°47'	8-22-57	1615-1700	100	Co. Spg.	82	87	--	40' flat trawl
1878	16°38'	81°43'	8-22-57	1740-1825	125	Co.	80	85	--	40' flat trawl
1879	16°38'	81°39'	8-22-57	1900-1945	150	Co.	83	85	--	40' flat trawl
1880	16°43'	81°34'	8-22-57	2030-2115	175	Co.	79	85	--	40' flat trawl
1881	16°50'	81°33'	8-22-57	--	170	Co.	78	85	--	40' flat trawl
1882	16°45'	81°28'	8-23-57	0400-0500	160	Co.	84	85	--	40' flat trawl
1883	16°52'	81°30'	8-23-57	0655-0755	200	Co.	84	85	--	40' flat trawl
1884	16°53'	81°22'	8-23-57	0845-0945	225	gy. M.	85	85	--	40' flat trawl
1885	16°54'	81°18'	8-23-57	1100-1200	250	Co.	85	86	--	40' flat trawl
1886	16°55'	81°12'	8-23-57	--	275	gy. Cl.	85	86	--	40' flat trawl
1887	16°55'	81°10'	8-23-57	1500-1700	300	gy. M.	82	86	--	40' flat trawl
1888	16°41'	81°02'	8-23-57	2315-2400	250	M.	82	85	--	40' flat trawl
1889	16°39'	81°01'	8-24-57	0050-0250	250	M.	82	85	--	40' flat trawl
1890	16°35'	80°55'	8-24-57	0730-0805	100	Co. Spg.	83	85	--	40' flat trawl
1891	16°07'	81°05'	8-24-57	1255-1350	130	--	88	86	--	40' flat trawl
1892	15°30'	81°04'	8-24-57	2030-2045	16	Spg. Co.	82	85	--	40' flat trawl
1893	15°15'	81°15'	8-25-57	2445-2450	110	--	82	85	--	40' flat trawl
1894	15°15'	81°19'	8-25-57	0230-0300	145	--	84	85	--	40' flat trawl
1895	14°40'	81°25'	8-25-57	0945-1000	300	--	85	85	--	40' flat trawl
1896	13°27'	81°33'	8-30-57	0730-1140	1216	--	84	--	--	Longline
1897	11°37'	80°15'	8-31-57	--	1900	--	84	--	--	Longline
1898	09°51'	80°44'	9-6-57	0550-1140	300	--	--	--	--	Longline
1899	10°55'	82°00'	9-7-57	0545-1138	1200	--	87	85	--	Longline
1900	10°40'	82°50'	9-8-57	0555-1140	1130	--	90	86	--	Longline
1901	11°20'	82°50'	9-9-57	--	1180	--	80	--	--	Longline
1902	11°27'	83°11'	9-9-57	--	135	--	--	85	--	40' flat trawl
1903	11°31'	83°09'	9-9-57	2135-2210	150	S.	81	85	--	40' flat trawl
1904	11°34'	83°07'	9-9/10-57	2330-2355	125	sft. yl. M. S.	82	--	--	40' flat trawl
1905	12°22'	82°27'	9-11-57	0905-0950	275	--	85	85	--	40' flat trawl
1906	12°19'	82°27'	9-11-57	1040-1140	325	--	85	85	--	40' flat trawl
1907	12°25'	82°23'	9-11-57	1250-1350	400-425	--	86	85	--	40' flat trawl
1908	12°33'	82°20'	9-11-57	1525-1625	350	--	82	85	--	40' flat trawl
1909	12°35'	82°19'	9-11-57	1755-1855	350	--	81	85	--	40' flat trawl
1910	12°40'	82°18'	9-11-57	2010-2110	350	gy. M.	81	85	--	40' flat trawl
1911	12°44'	82°14'	9-11/12-57	2250-2350	350	--	81	85	--	40' flat trawl
1912	12°49'	82°15'	9-12-57	0105-0205	325	--	80	85	--	40' flat trawl
1913	12°45'	82°15'	9-12-57	0325-0425	300	--	75	85	--	40' flat trawl
1914	13°06'	82°13'	9-12-57	0525-0630	350	--	75	85	--	40' flat trawl
1915	13°13'	82°13'	9-12-57	0745-0845	350	yl. M.	75	85	--	40' flat trawl
1916	13°18'	82°12'	9-12-57	1020-1120	350	Co.	87	85	--	40' flat trawl
1917	13°20'	82°02'	9-12-57	1640-1740	325	gy. M.	82	85	--	40' ballerina trawl
1918	13°25'	82°01'	9-12-57	1845-1945	300	--	80	85	--	40' ballerina trawl
1919	13°30'	82°00'	9-12-57	2100-2200	275-300	--	80	85	--	40' ballerina trawl
1920	13°31'	81°54'	9-12-57	2305-0005	300	--	81	85	--	40' ballerina trawl
1921	13°33'	81°55'	9-13-57	0140-0240	275	--	82	85	--	40' ballerina trawl
1922	13°34'	81°53'	9-13-57	0355-0455	275	--	82	85	--	40' ballerina trawl
1923	13°39'	81°52'	9-13-57	0605-0705	275	--	83	85	--	40' ballerina trawl
1924	12°56'	82°12'	9-13-57	0820-0920	275	--	82	85	--	40' ballerina trawl
1925	12°52'	82°11'	9-13-57	1030-1130	250	--	83	85	--	40' ballerina trawl
1926	12°55'	82°16'	9-13-57	1240-1340	300	--	83	85	--	40' ballerina trawl
1927	13°07'	82°08'	9-13-57	1530-1630	300	--	82	85	--	40' ballerina trawl
1928	13°14'	82°06'	9-13-57	1845-1945	300	--	82	85	--	40' ballerina trawl
1929	13°22'	82°04'	9-13-57	2150-2250	300	--	82	85	--	40' ballerina trawl
1930	13°20'	81°57'	9-14-57	0055-0140	300	--	83	85	--	40' flat trawl
1931	13°56'	81°56'	9-14-57	0610-0710	275	--	82	85	--	40' flat trawl
1932	13°58'	81°43'	9-14-57	0940-1040	300	--	85	85	--	40' flat trawl
1933	14°08'	81°43'	9-14-57	1310-1410	300	--	84	86	--	40' flat trawl
1934	16°00'	82°05'	9-15-57	1225-1325	21	Spg. Sh. Algae	85	--	--	40' flat trawl
1935	15°57'	82°06'	9-15-57	1340-1440	21	Spg. wh. S.	86	86	--	40' flat trawl
1936	15°54'	82°06'	9-15-57	1500-1600	21	Sp. wh. S.	85	86	--	40' flat trawl
1937	16°02'	82°07'	9-15-57	1750-1850	21	Spg. wh. S.	--	86	--	40' flat trawl
1938	16°05'	82°05'	9-15-57	1945-2045	24	Spg. wh. S.	83	86	--	40' flat trawl
1939	16°05'	82°30'	9-16-57	0215-0315	300	--	85	86	--	40' flat trawl
1940	16°04'	82°26'	9-16-57	0420-0520	374-450	--	85	86	--	40' flat trawl
1941	16°09'	82°14'	9-16-57	0740-0745	300	--	86	86	--	40' flat trawl
1942	16°02'	82°40'	9-16-57	1135-1235	300	--	86	87	--	40' flat trawl
1943	16°03'	82°44'	9-16-57	1405-1505	275	--	88	87	--	40' flat trawl
1944	16°03'	82°51'	9-16-57	1625-1655	275	--	82	86	--	40' flat trawl
1945	16°01'	82°40'	9-16-57	2100-2200	250-300	--	81	86	--	40' flat trawl
1946	16°02'	82°36'	9-16-57	2320-0020	300	--	81	86	--	40' flat trawl
1947	16°42'	82°33'	9-17-57	0135-0235	300	--	81	86	--	40' flat trawl

Table 1.--M/V Oregon station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		° F.	° F.	° F.	
1948	16°42'	82°30'	9-17-57	0510-0610	300	--	83	86	--	40' flat trawl
1949	16°45'	82°25'	9-17-57	0735-0835	300	--	84	86	--	40' flat trawl
1950	16°43'	82°22'	9-17-57	0950-1050	300	--	84	87	--	40' flat trawl
1951	16°45'	82°19'	9-17-57	1230-1315	300	--	83	87	--	40' flat trawl
1952	16°46'	82°16'	9-17-57	1450-1550	300	--	83	87	--	40' flat trawl
1953	16°46'	82°13'	9-17-57	1705-1805	300	--	83	87	--	40' flat trawl
1954	16°45'	82°20'	9-17-57	2010-2110	300	--	83	86	--	40' flat trawl
1955	16°48'	82°33'	9-17-57	2355-0055	550	--	83	86	--	40' flat trawl
1956	17°24'	83°57'	9-18/19-57	--	4	R.S.Co.	--	--	--	Trap lift net
1957	17°24'	83°57'	9-19-57	--	4	--	--	--	--	Trap lift net
1958	17°36'	83°57'	9-20-57	--	3000	--	84	86	--	Jackpots
1959	26°55'	89°00'	9-23-57	--	1240	--	82	--	--	Jackpots
1960	27°25'	89°10'	9-23-57	--	1077	--	86	86	--	Jackpots
1961	29°10'	88°12'	9-24-57	0740-0840	210-215	M.	80	--	--	40' flat trawl
1962	29°11'	88°07'	9-24-57	0925-1025	225	M.	82	85	--	40' flat trawl
1963	29°11'	88°03'	9-24-57	1115-1315	240	M.	77	--	--	40' flat trawl
1964	29°14'	87°53'	9-24-57	1410-1610	250	M.	76	84.5	--	40' flat trawl
1965	29°12'	88°02'	9-24-57	1700-1900	240-250	M.	76	84	--	40' flat trawl
1966	29°13'	87°55'	9-24-57	2010-2210	240	M.	76	--	--	40' flat trawl
1967	29°14'	87°51'	9-25-57	0045-0145	230	M.	77	84	--	40' flat trawl
1968	29°13'	88°00'	9-25-57	0335-0535	225	M.	81	84	--	40' flat trawl
1969	29°10'	88°11'	9-25-57	0630-0830	230-245	M.	80	84.5	--	40' flat trawl
1970	29°12'	88°03'	9-25-57	0925-1125	230-240	M.S.	79.5	84.5	--	40' flat trawl
1971	29°13'	87°54'	9-25-57	1225-1425	250	M.	82	84.5	--	40' flat trawl
1972	29°12'	88°00'	9-25-57	1510-1610	250	M.	82	84	--	40' flat trawl
1973	--	--	10-16-57	--	4	--	80	--	--	Trap lift net
1974	24°48'	81°30'	10-20-57	--	4	--	80	--	--	Trap lift net
1975	18°33'	68°41'	10-26-57	0445-0545	1000-7	--	88	86	--	Longline
1976	18°28'	66°00'	10-27-57	0455-0800	4530	--	83	85.5	--	Longline
1977	17°54'	65°07'	10-28-57	0450-0700	2500	--	82	86	--	Longline
1978	15°20'	64°08'	10-29-57	0550-0700	1865	--	80	86	--	Longline
1979	15°17'	63°02'	10-30-57	0450-0700	790	--	82	86	--	Longline
1980	10°10'	59°54'	--	11-3-57	350	bu.M.	82	85	58.6	40' flat trawl
1981	10°03'	60°01'	--	11-3-57	0815-0945	--	82	85	61.9	40' flat trawl
1982	10°00'	59°59'	--	11-3-57	1105-1305	250	84	85	63.9	40' flat trawl
1983	09°53'	59°53'	--	11-3-57	1520-1610	125	83	--	--	40' flat trawl
1984	09°45'	59°45'	--	11-3-57	1820-1950	200	83	--	--	40' flat trawl
1985	09°41'	59°47'	--	11-3-57	2100-2215	150	80	85	--	40' flat trawl
1986	09°39'	59°47'	--	11-4-57	2305-0020	100	80	85	--	40' flat trawl
1987	09°36'	59°44'	--	11-4-57	0115-0215	80	80	85	--	40' flat trawl
1988	09°24'	59°41'	--	11-4-57	0410-0515	110	78	85	--	40' flat trawl
1989	09°45'	59°45'	--	11-4-57	0755-0955	--	80	85	--	40' flat trawl
1990	09°40'	59°40'	--	11-4-57	--	200	85	--	--	40' flat trawl
1991	09°17'	59°19'	--	11-4-57	1650-1800	250	82	86	--	40' flat trawl
1992	09°16'	59°15'	--	11-4-57	1955-2005	275	82	86	--	45' ballerina trawl
1993	09°03'	59°00'	--	11-4-57	2255-2310	75	82	--	--	40' flat trawl
1994	08°10'	57°52'	--	11-5-57	1055-1115	50	84	86	--	40' flat trawl
1995	08°04'	57°50'	--	11-5-57	1225-1240	40	84	85	--	40' flat trawl
1996	08°04'	57°50'	--	11-5-57	1300-1400	40	84	85	--	40' flat trawl
1997	07°55'	57°48'	--	11-5-57	1500-1600	34	82	85	--	40' flat trawl
1998	07°55'	57°38'	--	11-5-57	--	40	81	--	--	40' flat trawl
1999	07°55'	57°34'	--	11-5-57	1905-2005	43	81	--	--	45' ballerina trawl
2000	07°55'	57°30'	--	11-5-57	2045-2145	45	--	--	--	45' ballerina trawl
2001	07°55'	57°25'	--	11-5-57	2300-2400	50	80	85	--	45' ballerina trawl
2002	07°52'	57°22'	--	11-6-57	0110-0210	60	80	85	--	45' ballerina trawl
2003	07°42'	57°19'	--	11-6-57	0315-0415	70	80	86	--	45' ballerina trawl
2004	07°44'	56°52'	--	11-6-57	0530-0625	200	83	66	55.8	40' flat trawl
2005	07°34'	54°50'	--	11-6-57	2305-0205	200	80	--	--	40' flat trawl
2006	07°36'	54°42'	--	11-7-57	0345-0700	225	80	86	--	40' flat trawl
2007	07°34'	54°49'	--	11-7-57	0750-0950	225	80	86	47.5	40' flat trawl
2008	07°38'	54°43'	--	11-7-57	1050-1235	250	82	86	48.7	40' flat trawl
2009	07°40'	54°47'	--	11-7-57	1500-1800	300	84	86	--	40' flat trawl
2010	07°44'	54°40'	--	11-7-57	1910-2216	350	80	--	--	40' flat trawl
2011	07°46'	54°36'	--	11-7-57	2330-0230	400	80	84	--	40' flat trawl
2012	07°54'	54°19'	--	11-8-57	0610-0810	150	84	84	--	40' flat trawl
2013	07°50'	54°16'	--	11-8-57	0910-1110	125	--	--	--	40' flat trawl
2014	07°32'	54°12'	--	11-8-57	1205-1230	100	--	--	--	40' flat trawl
2015	07°36'	54°11'	--	11-8-57	1330-1530	75	84	84	--	40' flat trawl
2016	07°18'	54°08'	--	11-8-57	1800-1900	50	80	84	--	40' flat trawl
2017	07°12'	54°08'	--	11-8-57	1950-2050	40	80	84	--	40' flat trawl
2018	07°05'	54°08'	--	11-8-57	2150-2250	35	80	84	--	40' flat trawl
2019	06°56'	54°05'	--	11-8-57	0030-0130	30	--	--	--	40' flat trawl
2020	06°50'	54°04'	--	11-9-57	--	28	81	--	--	40' flat trawl
2021	07°18'	53°52'	--	11-9-57	0810-0935	100	84	85	--	40' flat trawl
2022	07°15'	53°25'	--	11-9-57	1055-1255	115	88	85	--	40' flat trawl
2023	07°15'	53°21'	--	11-9-57	1330-1530	135	88	85	--	40' flat trawl
2024	07°15'	53°15'	--	11-9-57	1610-1800	160	--	--	--	40' flat trawl
2025	07°12'	53°11'	--	11-9-57	--	180	bu.M.	79	86	40' flat trawl
2026	07°10'	07°12'	--	11-9-57	2125-2225	200	gn.M.	81	86	40' flat trawl
2027	07°12'	53°02'	--	11-10-57	2430-0230	225	--	80	86	40' flat trawl
2028	07°11'	52°58'	--	11-10-57	0330-0630	250	--	80	85	40' flat trawl
2029	07°11'	52°56'	--	11-10-57	0730-1030	275	--	84	85	40' flat trawl
2030	07°10'	52°55'	--	11-10-57	1140-1440	300	M.	80	85	40' flat trawl
2031	07°10'	52°50'	--	11-10-57	1615-1915	350	M.	80	86.5	40' flat trawl
2032	06°39'	52°53'	--	11-10-57	2330-0020	50	--	--	--	40' flat trawl
2033	06°29'	52°52'	--	11-11-57	0155-0255	40	--	--	--	40' flat trawl
2034	06°25'	52°50'	--	11-11-57	0340-0440	36	--	--	--	40' flat trawl
2035	06°20'	52°51'	--	11-11-57	0650-0750	35	--	84	--	40' flat trawl
2036	06°13'	52°53'	--	11-11-57	1000-1100	30	--	82	86	40' flat trawl
2037	05°51'	55°00'	--	11-11-57	1600-1700	19	--	--	--	40' flat trawl
2038	05°46'	55°00'	--	11-11-57	1740-1840	15	--	--	--	40' flat trawl
2039	05°47'	52°55'	--	11-11-57	1935-2035	20	S.Sh.	82	--	40' flat trawl
2040	05°49'	52°50'	--	11-11-57	2125-2225	20	--	80	86	40' ballerina trawl
2041	05°55'	52°46'	--	11-12-57	2330-0030	25	--	80	86	45' ballerina trawl
2042	05°57'	52°45'	--	11-12-57	--	30	--	80	86	45' ballerina trawl
2043	05°58'	52°44'	--	11-12-57	0205-0305	31	--	80	86	45' ballerina trawl
2044	05°52'	52°03'	--	11-12-57	1535-1635	40	--	80	86	45' ballerina trawl
2045	05°46'	52°02'	--	11-12-57	1805-1905	36	--	80	86	45' ballerina trawl
2046	05°39'	51°56'	--	11-12-57	2040-2140	37	--	80	86	40' flat trawl
2047	05°35'	51°50'	--	11-12-57	2305-2405	36	--	--	--	40' flat trawl
2048	04°00'	50°35'	--	11-13-57	1520-1620	28	M.Sh.	86	--	40' flat trawl
2049	04°02'	50°33'	--	11-13-57	1640-1740	36	M.	--	--	40' flat trawl
2050	04°04'	50°32'	--	11-13-57	1810-1910	40	M.Sh.	81	--	40' flat trawl

Table 1.--M/V Oregon station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		° F.	° F.	° F.	
2051	04°05'	50°27'	11-13-57	2000-2100	50	--	--	--	--	40' flat trawl
2052	04°03'	50°26'	--	--	50	--	--	--	--	40' flat trawl
2053	04°02'	50°22'	11-13-57	2240-2340	50	--	80	86	--	40' flat trawl
2054	--	--	11-14-57	0050-0140	50	--	80	86	--	40' flat trawl
2055	02°34'	49°18'	11-14-57	1600-1700	10	--	80	86	--	40' flat trawl
2056	02°32'	49°17'	11-14-57	1720-1820	10-12	--	78	86	--	40' flat trawl
2057	02°31'	49°10'	11-14-57	1950-2050	15	--	80	86	--	40' flat trawl
2058	02°29'	48°58'	11-14-57	2205-2305	20	--	80	86	--	40' flat trawl
2059	02°29'	48°55'	11-15-57	0015-0045	23	M.	--	--	--	40' flat trawl
2060	02°29'	48°54'	11-15-57	0105-0205	47	--	--	--	--	40' flat trawl
2061	02°31'	48°48'	11-15-57	0300-0400	55-60	M.	--	--	--	40' flat trawl
2062	02°40'	48°39'	11-15-57	0500-0600	55	--	86	83.5	--	40' flat trawl
2063	02°35'	48°14'	11-15-57	0940-1040	53	S.	88	84.5	--	40' flat trawl
2064	02°32'	47°56'	11-15-57	1405-1505	60-65	--	82	84.5	--	40' flat trawl
2065	02°40'	47°56'	11-15-57	1000-1020	63	--	--	--	--	40' flat trawl
2066	02°40'	47°55'	11-15-57	1705-1805	110	--	--	--	--	40' flat trawl
2067	02°41'	47°48'	11-15-57	1925-2000	180	--	81	--	--	40' flat trawl
2068	02°35'	47°48'	11-15-57	2115-2215	120	--	83	85	--	40' flat trawl
2069	02°30'	47°50'	11-15-57	2350-0050	65	--	82	85	--	40' flat trawl
2070	02°15'	48°08'	11-16-57	1620-1720	45	--	77	85	--	40' flat trawl
2071	02°14'	48°10'	11-16-57	1740-1840	42	--	78	83.5	--	40' flat trawl
2072	02°10'	48°12'	11-16-57	1925-2025	55-25	--	78	83.5	--	40' flat trawl
2073	02°08'	48°14'	11-16-57	2050-2150	25-30	--	78	83.5	--	40' flat trawl
2074	02°00'	48°19'	--	--	25	--	78	83.5	--	40' flat trawl
2075	01°57'	48°15'	11-17-57	0120-0220	23	--	--	--	--	40' flat trawl
2076	01°57'	48°12'	11-17-57	0315-0420	30	--	--	--	--	40' flat trawl
2077	01°56'	47°49'	11-17-57	0815-0915	30	--	82	83.5	--	40' flat trawl
2078	01°50'	47°28'	11-17-57	1022-1122	40	--	82	83.5	--	40' flat trawl
2079	01°50'	47°31'	11-17-57	1330-1430	45	--	82	83.5	--	40' flat trawl
2080	02°04'	47°00'	11-17-57	1725-1825	125	--	80	83.5	--	40' flat trawl
2081	01°52'	46°54'	11-17-57	2135-2235	175	R.	80	83	--	40' flat trawl
2082	01°51'	46°50'	11-17-57	2340-0055	200	--	82	83	--	40' flat trawl
2083	01°49'	46°48'	11-18-57	0200-0400	225	--	80	83	--	40' flat trawl
2084	01°45'	46°46'	11-18-57	0520-0720	275	--	84	83	--	40' flat trawl
2085	01°37'	46°45'	11-18-57	0945-1045	63-65	--	86	83	--	40' flat trawl
2086	01°28'	46°47'	11-18-57	1210-1310	45	--	88	--	--	40' flat trawl
2087	01°20'	46°50'	11-18-57	1507-1508	35	--	84	83	--	40' flat trawl
2088	01°10'	46°52'	11-18-57	1700-1715	30	--	84	83	--	40' flat trawl
2089	01°05'	46°54'	11-18-57	1810-1840	30	--	82	83	--	40' flat trawl
2090	00°56'	46°56'	11-18-57	2000-2035	30	--	82	83	--	40' flat trawl
2091	00°33'	47°03'	--	--	20	--	82	83	--	40' flat trawl
2092	00°23'	47°05'	11-19-57	0120-0150	21	--	--	--	--	40' flat trawl
2093	29°21'	88°55'	1-30-58	0950-1010	15-18	br.M.	56	65	--	30' midwater trawl
2094	29°21'	88°52'	1-30-58	1040-1112	15-18	M.	56	65	--	30' midwater trawl
2095	29°21'	88°57'	1-30-58	1206-1345	15-18	M.	56	65	--	30' midwater trawl
2096	29°22'	88°57'	1-30-58	1510-1545	15-18	M.	60	65	--	30' midwater trawl
2097	29°25'	88°50'	1-31-58	0520-0550	11-13	M.	60	63-65	--	30' midwater trawl
2098	29°25'	88°48'	1-31-58	0610-0655	11-13	M.	60	65-63	--	30' midwater trawl
2099	29°26'	88°52'	1-31-58	0825-0845	9-12	M.	60	65	--	30' midwater trawl
2100	29°38'	88°56'	1-31-58	1116-1145	10	--	66	61	--	30' midwater trawl
2101	29°51'	88°56'	1-31-58	1350-1420	13-11	--	63	60	--	30' midwater trawl
2102	29°58'	88°42'	1-31-58	1535-1605	9-10	--	63	59	--	30' midwater trawl
2103	29°16'	88°56'	2-4-58	1010-1040	37	--	65	65	--	30' midwater trawl
2104	29°18'	88°57'	2-4-58	1055-1125	37	--	60	65	--	30' midwater trawl
2105	29°16'	88°51'	2-5-58	0625-0648	45	--	68	64	--	30' midwater trawl
2106	29°16'	88°52'	2-5-58	0705-0725	45	--	68	63	--	30' midwater trawl
2107	29°16.5'	88°51.5'	2-5-58	--	43	--	66	68-65	--	30' midwater trawl
2108	29°16'	88°59.5'	2-5-58	1035-1105	35	--	60	68	--	30' midwater trawl
2109	29°28'	88°48'	2-5-58	--	10	--	--	--	--	30' midwater trawl
2110	29°54'	88°06'	2-16-58	1125-1133	17	--	58	--	--	30' midwater trawl
2111	29°21'	88°50'	2-17-58	1040-1110	33	--	40	68	--	30' midwater trawl
2112	29°22'	88°57'	2-17-58	1215-1245	31	--	60	68	--	30' midwater trawl
2113	--	--	2-17/18-58	--	6-7	S.	30	53	--	Dip net
2114	30°11'	88°54'	2-24-58	1445-1505	6-6	--	65	58	--	30' midwater trawl
2115	30°09'	88°29'	2-24-58	1610-1640	7	--	80	57	--	30' midwater trawl
2116	29°35'	86°04'	2-25-58	1855-1925	32	--	64	67	--	30' midwater trawl
2117	30°22'	86°46'	2-26-58	1540-1610	10	S.M.	60	60.5	--	30' midwater trawl
2118	29°28'	88°12'	2-28-58	1937-2007	26	--	65	61.5	--	30' midwater trawl
2119	29°29'	88°10'	2-28-58	2104-2106	27	--	61	62	--	30' midwater trawl
2120	29°29'	88°13'	2-28-58	2214-2239	27	--	60	61.5	--	30' midwater trawl
2121	29°28'	88°12'	2-28-58	2315-2245	27	--	61	62	--	30' midwater trawl
2122	29°19'	88°58'	3-7-58	1225-1255	13-16	--	67	65-67.5	--	41' midwater trawl
2123	29°20'	88°54.5'	3-7-58	1320-1405	15-12	--	70	68-64	--	41' midwater trawl
2124	29°19'	88°56.5'	3-7-58	1447-1537	14-10	M.	68	64-65.5	--	41' midwater trawl
2125	29°19'	89°00'	3-7-58	1552-1638	10-17	M.	65	65	--	41' midwater trawl
2126	29°22'	88°56.5'	3-7-58	1727-1814	10-16	--	66	64-65.5	--	41' midwater trawl
2127	29°20'	88°55.5'	3-7-58	1835-1916	16-14	--	66	--	--	41' midwater trawl
2128	29°20'	88°50'	3-7-58	2041-2115	22-15	--	66	64-68	--	41' midwater trawl
2129	--	--	3-8-58	1530-1625	10	hrd.S.	68	67-69	--	125' midwater trawl
2130	29°34.5'	88°58'	3-8-58	1801-1831	11-15	--	64	69	--	41' midwater trawl
2131	29°19'	88°43'	3-9-58	0936-1001	32-33	M.	63	66-67	--	40' midwater trawl
2132	29°14'	88°26'	3-9-58	1240-1245	32	Cl.R.	62	70.5	--	41' midwater trawl
2133	29°12.5'	88°39'	3-9-58	1451-1457	40	--	60	--	--	40' midwater trawl
2134	29°13'	88°58'	3-9-58	1525-1538	40	--	60	--	--	40' midwater trawl
2135	29°13'	88°40'	3-9-58	1900-1925	40	M.	62	70	--	41' midwater trawl
2136	29°14'	88°37.5'	3-9-58	2025-2057	41	gy.M.	--	70.5	--	41' midwater trawl
2137	29°12'	88°57'	3-9-58	2115-2145	41	--	66	70	--	41' midwater trawl
2138	29°45.5'	88°43'	3-10/11-58	0130-0430	9	hrd.S.	60	65.5	--	Dip net
2139	29°37.5'	88°58'	3-11-58	--	10-9	--	62	--	--	41' midwater trawl
2140	29°48'	88°45'	3-11-58	1111-1132	7	hrd.S.	62	62	--	41' midwater trawl
2141	29°50'	88°44'	3-11/12-58	--	7	S.	--	63	--	Dip net
2142	30°12.5'	88°15'	3-12-58	1107-1117	5	S.	58	63.5	--	41' midwater trawl
2143	30°12'	88°13'	3-12-58	1245-1300	6.5	S.	58	--	--	41' midwater trawl
2144	30°14'	88°11'	3-12-58	1526-1542	5	S.	62	64	--	41' midwater trawl
2145	30°13'	88°14'	3-12-58	1809-1819	61	S.	62	63.5	--	41' midwater trawl
2146	30°13'	88°30'	3-12-58	--	4	S.	62	--	--	Dip net
2147	29°12'	88°08'	3-13-58	1206-1217	6-5	S.	58	63	--	41' midwater trawl
2148	30°14'	88°08.5'	3-13-58	1253-1255	5	M.	58	--	--	41' midwater trawl
2149	30°14.5'	88°08.5'	3-13/14-58	--	4	S.	--	--	--	Dip net
2150	--	--	4-3-58	--	--	S.	66	66	--	Dip net
2151	30°13'	88°09'	4-4-58	0834-0904	4-5	S.	65	66-68	--	40' midwater trawl
2152	30°13.5'	88°09'	4-4-58	1008-1038	6	--	68	--	--	40' midwater trawl
2153	30°13.5'	88°07.5'	4-4-58	1156-1226	6	S.	70	67-69.5	--	41' midwater trawl
2154	30°12'	88°12'	4-4-58	1716-1746	4-5	S.	67	70-70.5	--	41' midwater trawl
2155	30°14'	88°11.5'	4-4/5-58	--	4	S.	66	--	--	Dip net



Table 1.--M/V Oregon station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Surf.	Bot.	
					Fathoms		° F.	° F.	° F.	
2156	--	--	4-6-58	--	5	S.	--	--	--	Dip net
2157	28°12'	83°43'	4-8-58	0310-0325	18½	--	62	66	--	40' midwater trawl
2158	28°04'	83°42'	4-8-58	2335-2355	19	--	64	67	--	40' midwater trawl
2159	28°03'	83°50'	4-9-58	--	21	--	64	66	--	Dip net
2160	28°01'	83°51'	4-9-58	1255-1330	21½	--	--	--	--	40' midwater trawl
2161	28°01'	83°49'	4-9-58	1436-1515	21	--	67	67	--	40' midwater trawl
2162	26°35.5'	82°53'	4-14-58	2240-2255	21-19	S.	68	69.5	--	40' midwater trawl
2163	26°34.5'	82°52.5'	4-14-58	2332-2347	19-20	S.	68	69.5	--	40' midwater trawl
2164	26°37.5'	82°53.5'	4-15-58	0012-0027	19-18	--	68	69.5	--	40' midwater trawl
2165	26°37'	82°53.5'	4-15-58	0058-0113	19	--	68	69.5-69--	--	41' midwater trawl
2166	--	--	4-15-58	--	19	--	68	69.5	--	Dip net
2167	27°48.5'	83°28.5'	4-18-58	2058-2113	19-20	--	68	67.5	--	41' midwater trawl
2168	27°48.5'	83°28.5'	4-18-58	2206-2226	19-20	--	68	67.5	--	41' midwater trawl
2169	27°55'	83°35'	4-18-58	--	20	--	--	67	--	1000 watt light
2170	27°56'	83°36'	4-19-58	0725-0745	20	--	--	66.5	--	40' midwater trawl
2171	27°52'	83°34'	4-19-58	--	20	--	70	64.5	--	1000 watt light
2172	27°52'	83°34'	4-20-58	--	20	--	70	64.5	--	Lampara net
2173	30°04'	88°45.5'	4-22-58	1330-1415	7½	S.	70	74	--	60/40' midwater trawl
2174	--	--	5-11/12-58	--	15	--	--	81	--	Dip net
2175	--	--	5-12/13-58	--	15	--	--	81	--	Dip net
2176	22°20'	88°45'	5-14/15-58	--	30	--	77	80	--	Dip net
2177	22°29'	88°43'	5-15-58	0348-0412	28	--	77	80	--	41' midwater trawl
2178	22°21'	88°47'	5-15-58	1947-2017	29-28	Co.Rk.	79	81.5	--	41' midwater trawl
2179	22°19'	88°50'	5-15-58	2059-2111	28	--	79	81	--	--
2180	22°11'	90°22'	5-17-58	0415-0445	27	--	78	81.5	--	41' midwater trawl
2181	21°45'	90°50'	5-18-58	--	21	--	70	81	--	Dip net
2182	--	--	5-18/19-58	--	5	Co.	79.5	83.5	--	Dip net
2183	20°47'	91°27'	5-19-58	2127-2157	20	--	79	83	--	41' midwater trawl
2184	20°47'	91°30'	5-19-58	2228-2258	20	--	79	83	--	41' midwater trawl
2185	20°12'	91°59'	5-20/21-58	--	8	Co.Rk.S.	80	83	--	Dip net
2186	22°14'	91°35'	5-21-58	2245-2315	65	Rk.S.Co.	78	83	--	41' midwater trawl
2187	22°14'	91°35'	5-21/22-58	2400-0010	65	--	80	83	--	41' midwater trawl
2188	22°14'	91°41'	5-22-58	--	65	--	82	83	--	Dip net
2189	22°18'	91°21.5'	5-22-58	0402-0432	63	--	78	82.5	--	41' midwater trawl
2190	23°00'	89°05'	5-22/23-58	--	14	--	78	82.5	--	Dip net
2191	25°11'	89°50'	5-23-58	2010-2310	1800	M.	79	--	--	41' midwater trawl
2192	29°29'	88°41'	5-25-58	1605-1635	10	M.	82	84	--	41' midwater trawl
2193	29°42'	88°40'	5-25-58	1745-1800	10-8	M.	82	84-85	--	40' midwater trawl
2194	29°31'	88°48'	5-25-58	2015-2045	10	M.	80	83.5	--	41' midwater trawl
2195	29°33'	88°50'	5-25/26-58	--	10	Cl.M.	82	83.5	--	1000 watt light
2196	24°05'	91°46'	6-22-58	1552-2200	2000	--	86	86.5-87--	--	40' flat trawl
2197	24°34'	92°05'	6-23-58	0400-1200	2000-1950	--	84	86.5	--	40' flat trawl
2198	24°50'	92°35'	6-23/24-58	1740-0230	2000	--	88	67	--	40' flat trawl
2199	24°42'	92°18'	6-24-58	0840-1440	2000	br.M.	84	87.5	--	40' flat trawl
2200	25°20'	92°25'	6-24-58	2040-2240	1800	--	85	87	--	40' flat trawl
2201	25°30'	92°15'	6-25-58	0050-0250	1800-1750	--	82	86.5	--	40' flat trawl
2202	28°58'	88°11'	6-26-58	1445-1745	625	--	81	86	--	40' flat trawl
2203	29°15.5'	88°12'	6-26-58	--	125	M.	79	85	--	40' flat trawl
2204	27°42'	83°09'	7-17-58	1110-1125	12-14½	--	84	87.5	--	40' midwater trawl
2205	27°40'	82°50'	7-18-58	0740-0800	5-6	--	82	--	--	40' midwater trawl
2206	27°40'	82°55'	7-18-58	0825-0835	8	--	83	--	--	40' midwater trawl
2207	09°58'	61°11'	8-26-58	1520-1535	20-22	S.	82	88	--	40' flat trawl
2208	09°55'	60°53'	8-26-58	1705-1805	34-33	M.S.	80	86	--	40' flat trawl
2209	09°45'	60°47'	8-26-58	1950-2050	20-22	bu.M.	80	86	--	40' flat trawl
2210	09°39'	60°49'	8-26-58	2135-2235	15	M.S.	80	86	--	40' flat trawl
2211	09°59'	60°49'	8-26/27-58	2310-0110	15-13	S.M.	80	86	--	40' flat trawl
2212	09°53'	60°42'	8-27-58	0130-0300	15-18	S.M.	80	86	--	40' flat trawl
2213	09°51'	60°56'	8-27-58	0330-0500	26	S.M.	80	85	--	40' flat trawl
2214	09°29'	60°50'	8-27-58	0530-0700	30	--	80	85	--	40' flat trawl
2215	09°14'	60°26'	8-27-58	0925-1055	9-10	M.	81	85	--	40' flat trawl
2216	09°13'	60°11'	8-27-58	1250-1420	35	M.	81	85.5	75.2	40' flat trawl
2217	09°18'	60°09'	8-27-58	1505-1635	40	M.	80	86	73.6	40' flat trawl
2218	09°28'	60°04'	8-27-58	1800-1900	42-45	Rk.Sh.	81	--	--	40' flat trawl
2219	09°42'	59°53'	8-27-58	2120-2125	120	Co.Rk.	80	--	--	40' flat trawl
2220	09°25'	59°43'	8-28-58	0145-0245	50-55	--	80	86	--	40' flat trawl
2221	09°22'	59°43'	8-28-58	0300-0400	50	--	78	86	--	40' flat trawl
2222	08°54'	59°46'	8-28-58	0740-0910	25	--	84	--	--	40' flat trawl
2223	08°49'	59°43'	8-28-58	--	15	--	--	86	--	40' flat trawl
2224	08°48'	59°42'	8-28-58	1045-1145	15	--	84	87	77	40' flat trawl
2225	08°32'	59°10'	8-28-58	1520-1620	22-25	M.S.	82	87	--	40' flat trawl
2226	08°32'	59°05'	8-28-58	1720-1820	28-33	M.S.	82	87	--	40' flat trawl
2227	08°30'	59°02'	8-28-58	1905-2000	33-37	S.M.	81	87	--	40' flat trawl
2228	08°30'	58°56'	8-28-58	2030-2130	37	--	82	87	72.9	40' flat trawl
2229	08°35'	58°50'	8-28-58	2205-0005	38-41	--	81	87	--	40' flat trawl
2230	08°35'	58°46'	8-29-58	0020-0220	41-44	--	83	--	--	40' flat trawl
2231	08°32'	58°42'	8-29-58	0235-0435	45-48	M.	82	--	--	40' flat trawl
2232	08°31'	58°37'	8-29-58	0450-0650	48-46	Sh.9.	84	--	--	40' flat trawl
2233	08°29'	58°30'	8-29-58	0835-1035	42-35	S.	82	--	--	40' flat trawl
2234	08°20'	58°30'	8-29-58	1125-1255	26-23	--	82	86	--	40' flat trawl
2235	08°15'	58°28'	8-29-58	1410-1610	23	S.	82	86	--	40' flat trawl
2236	08°09'	58°23'	8-29-58	1655-1855	23	S.	82	85	--	40' flat trawl
2237	08°06'	58°20'	8-29-58	1915-2115	23-26	bu.M.	85	85	--	40' flat trawl
2238	08°04'	58°23'	8-29/30-58	2310-0110	23-16	S.M.	81	85	--	40' flat trawl
2239	07°58'	58°23'	8-30-58	0140-0340	10-11	S.M.	81	85.5	--	40' flat trawl
2240	07°56'	58°20'	8-30-58	0455-0600	11	--	80	--	--	40' flat trawl
2241	07°57'	58°13'	8-30-58	0625-0825	13-11	--	86	85	--	40' flat trawl
2242	08°00'	58°21'	8-30-58	1600-1900	20-25	M.	82	85	--	80' semi-balloon trawl
2243	08°03'	58°24'	8-30-58	1930-2230	25-23	--	82	85	--	80' semi-balloon trawl
2244	08°12'	58°21'	8-31-58	0135-0345	31-39	M.S.	82	85	--	40' flat trawl
2245	08°15'	58°17'	8-31-58	0400-0525	39-50	--	83	86	--	40' flat trawl
2246	07°56'	57°27'	8-31-58	1110-1210	44-48	--	86	--	--	40' flat trawl
2247	07°55'	57°27'	8-31-58	1235-1340	44-37	--	90	--	--	40' flat trawl
2248	07°45'	57°34'	8-31-58	1430-1630	35-30	Sh.M.Co.	--	--	--	40' flat trawl
2249	07°40'	57°34'	8-31-58	1645-1745	30-27	--	82	85	--	40' flat trawl
2250	07°38'	57°34'	8-31-58	1800-1900	27-26	--	82	85	--	40' flat trawl
2251	07°35'	57°34'	8-31-58	1915-2015	26-25	--	82	--	--	40' flat trawl
2252	07°26'	57°37'	8-31-58	2120-2220	17	--	82	85	--	40' flat trawl
2253	07°05'	57°12'	9-1-58	0230-0330	18	--	81	--	--	40' flat trawl
2254	07°07'	57°08'	9-1-58	0445-0545	20-22	S.M.	82	85	--	40' flat trawl
2255	07°09'	57°06'	9-1-58	0600-0700	25	--	83	86	--	40' flat trawl
2256	07°18'	57°07'	9-1-58	0745-0845	30-32	S.Co.Sh.	83	85	--	40' flat trawl
2257	07°21'	57°04'	9-1-58	0925-1025	35	--	83	85	--	40' flat trawl
2258	07°22'	57°01'	9-1-58	1040-1140	40-46	--	83	86	--	40' flat trawl

Table 1.--M/V Oregon station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Surf.	Bot.	
					Fathoms		° F.	° F.	° F.	
2259	07°35'	56°57'	9-1-58	1155-1255	46-52	Sp.	63	86	--	40' flat trawl
2260	07°38'	56°55'	9-1-58	1320-1325	52	--	63	86	--	40' flat trawl
2261	07°20'	56°49'	9-1-58	1630-1730	33	M.Sp.Sh.	61	85	--	40' flat trawl
2262	07°18'	56°49'	9-1-58	1625-2025	33-30	--	61	85	--	80' semi-balloon trawl
2263	07°12'	56°47'	9-1-58	2135-2335	28-26	--	60	85	--	80' semi-balloon trawl
2264	07°03'	56°45'	9-2-58	0050-0150	22	--	80	--	--	40' flat trawl
2265	06°56'	56°43'	9-2-58	0240-0410	22-21	S.Sp.	63	85	--	40' flat trawl
2266	07°04'	56°05'	9-2-58	1525-1625	31-28	--	61	84.5	--	40' flat trawl
2267	06°58'	56°02'	9-2-58	1700-1800	25	M.	61	84.5	--	40' flat trawl
2268	06°53'	56°59'	9-2-58	1630-1930	24-23	--	62	--	--	40' flat trawl
2269	06°49'	56°57'	9-2-58	1950-2050	22-23	--	62	83.5	--	40' flat trawl
2270	06°44'	56°54'	9-2-58	2120-2220	22-21	--	61	83	--	40' flat trawl
2271	06°34'	56°54'	9-2/3-58	2325-0025	18	--	80	--	--	40' flat trawl
2272	06°30'	56°52'	9-3-58	0115-0230	17	M.Sh.Co.	61	83	--	40' flat trawl
2273	07°00'	56°43'	9-3-58	1145-1245	36-34	--	85	84.5	--	40' flat trawl
2274	06°54'	56°40'	9-3-58	1335-1435	27-26	M.Sp.Sh.	65	84	--	40' flat trawl
2275	06°50'	56°39'	9-3-58	1525-1625	25-24	--	60	84	--	40' flat trawl
2276	06°42'	56°37'	9-3-58	1720-1820	23-22	--	60	84	--	40' flat trawl
2277	06°37'	56°36'	9-3-58	1925-2025	19	--	60	84	--	40' flat trawl
2278	06°31'	56°33'	9-3-58	2200-2300	1f	--	60	84	--	40' flat trawl
2279	06°20'	56°34'	9-3-58	2320-0020	14-7	--	60	84	--	40' flat trawl
2280	06°18'	56°30'	9-4-58	0050-0150	7	--	60	84	--	40' flat trawl
2281	06°37'	56°13'	9-7-58	1615-1715	22	--	61	84.5	--	40' flat trawl
2282	06°37'	56°09'	9-7-58	1755-1955	22	M.S.	62	84.5	--	100' flat trawl
2283	06°37'	56°03'	9-7-58	2045-2245	22	M.S.	78	84	--	100' flat trawl
2284	06°48'	56°12'	9-8-58	0115-0315	25	--	80	--	--	100' flat trawl
2285	07°27'	56°54'	9-8-58	1110-1310	135-150	--	80	85-84.5	--	40' flat trawl
2286	07°26'	56°49'	9-8-58	1405-1605	105-120	M.	80	85	--	40' flat trawl
2287	07°28'	56°43'	9-8-58	1650-1850	90-95	--	80	--	--	40' flat trawl
2288	07°26'	56°40'	9-8-58	1945-2145	95	--	80	--	--	40' flat trawl
2289	07°25'	56°35'	9-8-58	2220-2240	75-80	Co.Sp.R.	80	--	--	40' flat trawl
2290	07°27'	56°32'	9-8/9-58	--	110	--	80	84.5	--	40' flat trawl
2291	07°27'	56°27'	9-9-58	0215-0415	120-135	M.S.	80	--	--	40' flat trawl
2292	07°28'	56°21'	9-9-58	0545-0745	110-115	M.S.	82	84	--	40' flat trawl
2293	07°27'	56°15'	9-9-58	0910-1110	110-115	--	62	84	--	40' flat trawl
2294	07°25'	56°08'	9-9-58	1240-1440	105-115	M.Sh.	82	84	--	40' flat trawl
2295	07°27'	56°47'	9-9-58	1510-1710	120-125	--	8	8	--	40' flat trawl
2296	06°29'	56°30'	9-10-58	0645-0645	110-120	M.Sh.	84	84	--	40' flat trawl
2297	06°00'	56°20'	9-10-58	2135-2235	38-40	M.S.	61	85	--	40' flat trawl
2298	05°58'	56°21'	9-10-58	2255-0045	36-31	--	61	84.5	--	40' flat trawl
2299	05°54'	56°22'	9-11-58	0110-0325	31-33	M.Sh.	61	84.5	--	62' flat trawl
2300	06°10'	56°38'	9-11-58	0500-0600	35	M.S.	61	85	--	62' flat trawl
2301	06°08'	56°37'	9-11-58	0705-0720	30	M.S.Sh.	62	85	--	62' flat trawl
2302	06°08'	56°36'	9-11-58	0755-0855	30	M.6.	62	85	--	62' flat trawl
2303	06°04'	56°35'	9-11-58	0915-1015	30	--	88	--	--	62' flat trawl
2304	06°12'	56°34'	9-11-58	1120-1150	38	--	88	85.5	--	62' flat trawl
2305	06°01'	56°22'	9-11-58	1550-1750	36-31	--	82	85.5	--	62' flat trawl
2306	05°58'	56°24'	9-11-58	1815-2015	30-31	--	82	85	--	62' flat trawl
2307A	05°57'	56°20'	9-11-58	2035-2235	31-28	--	82	85	--	62' flat trawl
2307B	05°56'	56°20'	9-11-58	2100-2205	31-28	--	82	85	--	40' flat trawl
2308A	05°56'	56°20'	9-12-58	0015-0145	31	--	61	85	--	62' flat trawl
2308B	05°56'	56°20'	9-12-58	0020-0120	31	--	61	85	--	40' flat trawl
2309	05°54'	56°17'	9-12-58	0310-0510	31-34	--	83	--	--	65' flat trawl
2310	05°30'	56°10'	9-12-58	1610-1710	28	Sh.Co.M.	80	--	--	40' flat trawl
2311	05°45'	56°18'	9-12-58	2050-2120	33	--	80	--	--	40' flat trawl
2312	05°50'	56°21'	9-12-58	2245-2345	37	M.S.	80	85	--	40' flat trawl
2313	05°52'	56°19'	9-13-58	0145-0330	35-36	--	60	85	--	40' flat trawl
2314	06°03'	56°22'	9-13-58	1540-1640	36-37	--	62	86	--	40' flat trawl
2315A	06°01'	56°22'	9-13-58	1655-1910	37-35	--	61	85.5	--	40' flat trawl
2315B	06°01'	56°22'	9-13-58	1700-1900	37-35	--	61	85.5	--	40' flat trawl
2316A	06°10'	56°26'	9-13-58	2035-2235	36	--	61	85	--	40' flat trawl
2316B	06°10'	56°26'	9-13-58	2040-2240	36	--	61	85	--	40' flat trawl
2317A	06°14'	56°31'	9-13-58	2340-0155	36-39	--	60	85	--	40' flat trawl
2317B	06°14'	56°31'	9-13/14-58	2345-0245	36-39	--	60	85	--	40' flat trawl
2318	06°15'	56°35'	9-14-58	0215-0320	37	M.S.	60	85	--	40' flat trawl
2319	07°05'	56°45'	9-14-58	0730-0750	250-240	M.	62	83	--	40' flat trawl
2320	07°05'	56°47'	9-14-58	0910-1105	250	M.bk.S.	66	86.5	--	40' flat trawl
2321A	06°52'	56°18'	9-14-58	1535-1800	34	--	82	--	--	40' flat trawl
2321B	06°52'	56°18'	9-14-58	1540-1740	34	--	82	--	--	40' flat trawl
2322A	06°50'	56°29'	9-14-58	1855-2135	34	--	60	85	--	40' flat trawl
2322B	06°50'	56°29'	9-14-58	1910-2110	34	--	60	85	--	40' flat trawl
2323	06°50'	56°28'	9-15-58	2325-0325	35-50	--	--	--	--	40' flat trawl
2324	06°46'	56°24'	9-15-58	0805-0905	23-24	--	--	--	--	40' flat trawl
2325A	06°24'	56°27'	9-15-58	1200-1325	17	M.S.	67	85	--	40' flat trawl
2325B	06°24'	56°27'	9-15-58	1205-1310	17	M.S.	67	85	--	40' flat trawl
2326	06°20'	56°20'	9-15-58	1430-1530	15-14	M.	62	85	--	40' flat trawl
2327A	06°26'	56°20'	9-15-58	1635-1810	17	M.Sh.	61	85	--	40' flat trawl
2327B	06°26'	56°20'	9-15-58	1640-1740	17	M.Sh.	61	85	--	40' flat trawl
2328A	06°33'	56°23'	9-15-58	1905-2020	21	M.	60	85	--	40' flat trawl
2328B	06°33'	56°23'	9-15-58	1910-2110	21	M.	60	85	--	40' flat trawl
2329A	06°40'	56°25'	9-15-58	2135-2335	25-27	M.S.	62	84	--	40' flat trawl
2329B	06°40'	56°25'	9-15-58	2140-2240	25-26	M.S.	62	84	--	40' flat trawl
2330A	06°50'	56°30'	9-16-58	0035-0355	28-30	M.S.	60	84	--	40' flat trawl
2330B	06°50'	56°30'	9-16-58	0040-0330	26-30	M.S.	60	84	--	40' flat trawl
2331A	06°55'	56°04'	9-16-58	1605-1825	30-29	--	61	85	--	40' flat trawl
2331B	06°55'	56°04'	9-16-58	1610-1810	30-29	--	61	85	--	40' flat trawl
2332A	06°53'	56°59'	9-16-58	1840-2135	29-31	M.S.	61	85	--	40' flat trawl
2332B	06°54'	56°00'	9-16-58	1925-2125	29-31	M.S.	61	85	--	40' flat trawl
2333A	06°58'	56°03'	9-16/17-58	2155-0110	30-31	M.S.	60	84	--	40' flat trawl
2333B	06°58'	56°03'	9-16/17-58	2200-0100	30-31	M.S.	60	84	--	40' flat trawl
2334A	06°56'	56°55'	9-17-58	0130-0330	31	M.	60	84	--	40' flat trawl
2334B	06°56'	56°55'	9-17-58	0140-0320	31	M.	61	84	--	40' flat trawl
2335A	06°50'	56°34'	9-17-58	1550-1820	28	M.S.	61	84	--	40' flat trawl
2335B	06°50'	56°34'	9-17-58	1600-1600	28	M.S.	61	84	--	40' flat trawl
2336A	06°49'	56°31'	9-17-58	1850-2205	27	G.M.S.	62	85	--	40' flat trawl
2336B	06°49'	56°30'	9-17-58	1925-2155	27	M.S.	62	--	--	40' flat trawl
2337A	06°50'	56°23'	9-17/18-58	2240-0215	29	M.	60	84	--	40' flat trawl
2337B	06°50'	56°23'	9-17/18-58	2250-0150	29	M.S.	60	84	--	40' flat trawl
2338A	06°52'	56°30'	9-18-58	0235-0400	29	M.S.	61	84	--	40' flat trawl
2338B	06°52'	56°30'	9-18-58	0240-0345	29	M.S.	61	84	--	40' flat trawl
2339A	07°12'	57°22'	9-18-58	1605-1720	17	S.M.	62	84	--	40' flat trawl
2339B	07°12'	57°22'	9-18-58	1610-1710	17	S.M.	62	84	--	40' flat trawl

Table 1.--M/V Oregon station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
						Fathoms	° F.	° F.	° F.	
2340A	07°21'	57°23'	9-18-58	1840-2025	25	--	81	85	--	40' flat trawl
2340B	07°21'	57°23'	9-18-58	1845-2005	25	M.S.Trash	81	85	--	40' flat trawl
2341A	07°23'	57°30'	9-18-58	2015-2310	20	--	81	85	--	40' flat trawl
2341B	07°23'	57°30'	9-18-58	2120-2250	20	--	81	85	--	40' flat trawl
2342A	07°28'	57°38'	9-18/19-58	2330-0145	17-15	S.M.	80	85	--	40' flat trawl
2342B	07°28'	57°38'	9-18/19-58	2335-0135	17-15	S.M.	80	85	--	40' flat trawl
2343A	07°34'	57°45'	9-19-58	0220-0345	20-19	M.S.	83	85	--	40' flat trawl
2343B	07°34'	57°45'	9-19-58	0225-0335	20-19	M.S.	83	85	--	40' flat trawl
2344A	08°10'	58°18'	9-19-58	1555-1810	33-35	S.	82	85	--	40' flat trawl
2344B	08°10'	58°18'	9-19-58	1600-1800	33-35	S.	82	85	--	40' flat trawl
2345A	08°12'	58°25'	9-19-58	1830-2045	35-34	S.	81	85	--	40' flat trawl
2345B	08°12'	58°25'	9-19-58	1835-2035	35-34	S.	81	85	--	40' flat trawl
2346A	08°06'	58°20'	9-19-58	2125-2405	29	--	81	85	--	40' flat trawl
2346B	08°06'	58°21'	9-19-58	2155-2355	29	--	81	85	--	40' flat trawl
2347A	08°10'	58°28'	9-20-58	0040-0405	29-28	--	81-87	85	--	40' flat trawl
2347B	08°10'	58°28'	9-20-58	0045-0345	29-28	--	81-87	85	--	40' flat trawl
2348A	09°32'	60°24'	9-20-58	1620-1840	33	--	82	--	--	40' flat trawl
2348B	09°32'	60°24'	9-20-58	1630-1830	33	--	82	--	--	40' flat trawl
2349A	09°36'	60°31'	9-20-58	1925-2150	30-31	S.	80	85	--	40' flat trawl
2349B	09°36'	60°31'	9-20-58	1940-2140	30-31	--	80	85	--	40' flat trawl
2350	10°58'	61°45'	9-23-58	0500-0550	65-66	--	90	--	--	40' flat trawl
2351	11°31'	62°20'	9-23-58	1110-1310	200-185	M.	84	--	--	40' flat trawl
2352	11°35'	62°25'	9-23-58	1435-1530	220-275	--	83	86	--	40' flat trawl
2353	11°35'	62°41'	9-23-58	1720-1920	212-275	M.	82	--	--	40' flat trawl
2354	11°34'	63°02'	9-23-58	2110-2115	175	Rk.M.	82	83.5	--	40' flat trawl
2355	17°23'	63°22'	9-25-58	0905-0925	11-12	Sp.Rk.	83	--	--	40' flat trawl
2356	17°33'	63°35'	9-25-58	1205-1235	125-132	--	83	--	--	40' flat trawl
2357	20°03'	91°56'	11-25-58	--	25	--	79	--	--	Rectangular fish trap
2358	20°00'	91°50'	11-26-58	--	25	--	--	--	--	Rectangular fish trap
2359	20°07'	91°54'	11-26-58	--	21	--	83	--	--	Rectangular fish trap
2360	19°41'	91°50'	11-28-58	--	25	--	80	--	--	Rectangular fish trap
2361	20°07'	91°55'	12-1-58	--	24	--	--	--	--	Rectangular fish trap
2362	20°07'	91°55'	12-1-58	--	24	--	--	--	--	Rectangular fish trap
2363	20°07'	91°55'	12-1-58	--	24	--	--	--	--	Rectangular fish trap
2364	20°00'	91°30'	12-4-58	--	27	Co.S.	--	--	--	Rectangular fish trap
2365	20°00'	91°30'	12-4-58	--	24	Co.S.	77	--	--	Rectangular fish trap
2366	22°10'	91°20'	12-4-58	--	35	S.Co.	77	--	--	Rectangular fish trap
2367	22°10'	91°20'	12-5-58	--	33	S.Co.	77	--	--	Rectangular fish trap
2368	22°10'	91°20'	12-5-58	--	31	S.Co.	--	--	--	Rectangular fish trap
2369	22°10'	91°20'	12-5-58	--	32	S.Co.	--	--	--	Rectangular fish trap
2370	22°10'	91°20'	12-5-58	--	32	S.Co.	--	--	--	Rectangular fish trap
2371	23°06'	88°12'	1-8-59	2230-2250	220-350	--	--	--	51	40' midwater trawl
2372	23°00'	88°24'	1-22-59	--	380	--	49	--	--	40' flat trawl
2373	23°26'	88°41'	1-23-59	1010-1040	22-24	--	48	56	--	41' midwater trawl
2374	23°32'	88°41'	1-23-59	1740-1800	17-18	M.	46	--	63	41' midwater trawl
2375	23°26'	88°46'	1-24-59	0950-1010	16-12	S.	60	64	68	41' midwater trawl
2376	23°42'	88°10'	1-26-59	1229-1320	19.5-20	S.	62	--	--	41' midwater trawl
2377	23°43.5'	88°12'	1-26-59	1425-1440	21	S.	64	65	--	40' midwater trawl
2378	23°10'	88°30'	1-26-59	1935-2055	100-150	M.S.	--	57	--	41' midwater trawl
2379	23°25'	88°50'	1-27-59	0830-0900	15-13	--	63	--	61	40' midwater trawl
2380	23°25'	88°52'	1-27-59	0923-0953	11	--	60	--	61	40' midwater trawl
2381	23°25'	88°50'	1-27-59	1010-1030	12-11	M.	58	--	61	40' midwater trawl
2382	23°26'	88°51'	1-27-59	1433-1503	13-14	--	60.5	64	65	40' midwater trawl
2383	23°25'	88°53'	1-27-59	1525-1555	14	--	61	64	--	41' midwater trawl
2384	23°23'	88°51'	1-27-59	1620-1715	14-15	--	--	--	61	41' midwater trawl
2385	23°26'	88°54'	1-27-59	1730-1830	10	--	62	64	--	41' midwater trawl
2386	23°36'	88°42'	1-28-59	0920-0950	9.5-10	--	56	60	57	40' midwater trawl
2387	30°08'	88°35'	1-29-59	1140-1150	9	M.S.	61	60	58	41' midwater trawl
2388	30°00'	88°44'	1-29-59	1258-1310	9	--	61	60	56	41' midwater trawl
2389	30°02'	88°42.5'	1-29-59	1340-1411	8-9.5	M.	61	60	56	41' midwater trawl
2390	29°26'	88°51'	1-30-59	1225-1257	9	M.S.	60	63	69	40' midwater trawl
2391	29°24.5'	88°54'	1-30-59	1315-1345	9	M.S.	60	63	59	40' midwater trawl
2392	29°26'	88°55'	1-30-59	1400-1425	9	M.S.	60	63.5	61	40' midwater trawl
2393	29°25'	88°54'	1-30-59	1442-1527	9	M.S.	60	63-64	61	40' midwater trawl
2394	29°27'	88°52'	1-30-59	1549-1649	8.5-9	M.S.	60	63-64	61	40' midwater trawl
2395	29°25'	88°51'	1-30-59	1708-1808	9	M.S.	60	63-64	60	40' midwater trawl
2396	28°59'	88°37'	1-31-59	1807-1907	265-290	--	70	64	59	40' midwater trawl
2397	30°10'	88°16'	2-3-59	1715-1801	10	S.	58	61	60	40' midwater trawl
2398	30°08'	88°18'	2-3-59	--	10	S.	56	61-66	60	40' midwater trawl
2399	29°10'	87°55'	2-4-59	0508-0708	510-400	--	66	67	53	40' midwater trawl
2400	29°14'	88°26'	2-26-59	0620-0630	60-70	--	56	70	67	60' midwater trawl
2401	29°13'	88°44'	2-26-59	1025-1055	38	--	60	67	--	60' midwater trawl
2402	29°12'	88°41'	2-26-59	1820-1915	40	--	61	70	--	60' midwater trawl
2403	29°19'	88°58'	2-27-59	1005-1030	12	M.S.	57	63	--	40' midwater trawl
2404	29°21'	88°58'	2-27-59	1050-1130	10	--	58	64	--	40' midwater trawl
2405	29°20'	88°55'	2-27-59	1220-1250	13	--	58	64	--	40' midwater trawl
2406	29°24'	88°57'	2-27-59	1420-1520	6	--	58	63	--	40' midwater trawl
2407	29°28'	88°53'	2-27-59	1540-1635	8	--	58	63	--	40' midwater trawl
2408	29°24'	88°57'	2-28-59	0735-0835	8-10	--	62	62	--	40' midwater trawl
2409	29°26'	88°54'	2-28-59	0900-1000	8-9	--	62	62	--	40' midwater trawl
2410	29°29'	88°51'	2-28-59	1020-1120	8-9	--	64	62	--	40' midwater trawl
2411	29°27'	88°54'	2-28-59	1140-1240	8-9	--	70	63	--	40' midwater trawl
2412	29°23'	88°57'	2-28-59	1300-1400	8-9	--	66	63	--	40' midwater trawl
2413	29°26'	88°54'	2-28-59	1415-1515	8-9	--	62	63	--	40' midwater trawl
2414	29°25'	88°54'	2-28-59	1535-1635	8-9	--	62	63	--	40' midwater trawl
2415	29°26'	88°55'	2-28-59	1650-1750	8-9	--	62	64	--	40' midwater trawl
2416	29°26'	88°54'	2-28-59	1805-1905	10-12	--	60	64	--	40' midwater trawl
2417	29°24'	88°58'	2-28-59	1925-2025	10-12	--	59	63	--	40' midwater trawl
2418	29°24'	88°54'	3-1-59	0610-0710	9	--	54	62	--	40' midwater trawl
2419	29°29'	88°54'	3-1-59	0725-0825	8	--	50	62	--	40' midwater trawl
2420	29°41'	88°45'	3-1-59	1010-1040	7	--	50	62	--	40' midwater trawl
2421	29°49'	88°44'	3-1-59	1140-1210	6	--	51	62	--	40' midwater trawl
2422	29°55'	88°44.5'	3-1-59	1255-1325	7	--	53	61	--	40' midwater trawl
2423	30°00'	88°44.5'	3-1-59	1355-1425	8	--	53	62	--	40' midwater trawl
2424	30°11.5'	88°12'	3-3-59	1235-1255	7	--	58	62	--	40' midwater trawl
2425	30°13'	88°12.5'	3-3-59	1315-1345	5-7	--	65	62	--	40' midwater trawl
2426	30°12.5'	88°10'	3-3-59	1405-1420	6	--	56	62	--	40' midwater trawl
2427	29°49.5'	85°33.5'	3-4-59	1030-1050	12	S.	60	62	--	40' midwater trawl
2428	29°51'	85°33.5'	3-4-59	1105-1155	12	S.	60	62	--	40' midwater trawl
2429	29°48'	85°32'	3-4-59	1410-1510	12	S.	66	64	--	60' midwater trawl
2430	29°50'	85°33'	3-4-59	1610-1650	12	S.	68	63	--	60' midwater trawl
2431	29°50.5'	85°32.5'	3-4-59	1755-1855	12	S.	66	63	--	60' midwater trawl
2432	28°40'	83°48'	3-7-59	1725-1825	15	S.Co.	54	65	--	40' midwater trawl
2433	28°36'	83°53'	3-7-59	--	15	--	--	65	--	Dip net



Table 1.--M/V Oregon station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
							° F.	° F.	° F.	
						Fathoms				
2434	28° 28'	83° 38'	3-8-59	0735-0805	16-15	S.	57	66	--	40' midwater trawl
2435	28° 16'	83° 47.5'	3-8-59	1030-1100	17	S.Co.	58	66	--	40' midwater trawl
2436	28° 12'	84° 02'	3-8-59	1305-1330	22	S.Sh.	64	67	--	40' midwater trawl
2437	28° 06'	83° 50'	3-8-59	1530-1600	22	S.	62	66	--	40' midwater trawl
2438	28° 06.5'	83° 24'	3-8-59	1835-1905	14	S.Sh.	62	66	--	40' midwater trawl
2439	27° 52.5'	83° 30.5'	3-10-59	1725-1740	16-18	S.	66	69	--	40' midwater trawl
2440	27° 51.5'	83° 30.5'	3-10-59	1800-1830	16-18	S.	66	69	--	40' midwater trawl
2441	27° 53'	83° 30.5'	3-10-59	1845-1915	16-18	S.	66	69	--	40' midwater trawl
2442	27° 54'	83° 31'	3-10-59	2030-2330	18	--	--	64	--	Dip net
2443	27° 55'	83° 29'	3-11-59	0705-0735	16	S.	64	63	--	40' midwater trawl
2444	27° 22'	83° 01'	3-11-59	2110-2120	12	S.Sh.	67	63	--	40' midwater trawl
2445	27° 23'	83° 01.5'	3-11-59	2140-2150	12	S.Sh.	67	63	--	40' midwater trawl
2446	25° 46.5'	82° 22'	3-14-59	1030-1100	15	Sh.gyS.	73	71	--	40' midwater trawl
2447	25° 50'	82° 41'	3-14-59	1310-1340	20	S.	73	71	--	40' midwater trawl
2448	25° 59'	82° 17.5'	3-14-59	1715-1745	12-10	S.Sh.	68	70	--	40' midwater trawl
2449	26° 08'	82° 46.5'	3-14-59	2130-2200	19-20	S.Sh.	69	70	--	40' midwater trawl
2450	26° 31.5'	82° 51'	3-15-59	0540-0610	17-18	S.Sh.	69	69	--	40' midwater trawl
2451	26° 35'	82° 42.5'	3-15-59	0755-0825	12	S.Sh.	71	69	--	40' midwater trawl
2452	26° 47'	82° 53.5'	3-15-59	1025-1055	17	S.Sh.	74	69	--	40' midwater trawl
2453	26° 59'	82° 43'	3-15-59	1250-1320	12	S.Sh.	70	69	--	40' midwater trawl
2454	27° 07'	83° 01'	3-15-59	1555-1625	15	S.Sh.	71	70	--	40' midwater trawl
2455	27° 15'	83° 12'	3-15-59	1755-1825	21	S.Sh.	70	69	--	40' midwater trawl
2456	27° 29'	84° 50'	3-16-59	0420-0520	140-160	M.	78	70	--	40' midwater trawl
2457	30° 13.5'	88° 09'	3-17-59	1305-1335	6-5	S.	53	62	--	40' midwater trawl
2458	30° 14'	88° 13'	3-17-59	1440-1510	5	M.	58	62	--	40' midwater trawl
2459	29° 29'	88° 41'	4-9-59	0825-0845	10-9	S.	76	73	66	40' midwater trawl
2460	29° 27'	88° 52'	4-9-59	0950-1045	8	S.	76	73	--	40' midwater trawl
2461	29° 24'	88° 56'	4-9-59	1135-1235	8	S.	78	73	--	40' midwater trawl
2462	29° 24'	88° 54'	4-9-59	1325-1425	10-15	S.	76	73	--	40' midwater trawl
2463	29° 20'	88° 49'	4-9-59	1510-1610	22	M.	75	72	--	40' midwater trawl
2464	23° 55'	90° 16'	4-11-59	0920-1050	1900	--	78	78	--	40' midwater trawl
2465	21° 28'	90° 45'	4-12-59	0615-0715	17-15	--	79	81	--	40' midwater trawl
2466	21° 24'	90° 46'	4-12-59	0740-0825	15	--	79	81	--	40' midwater trawl
2467	21° 02'	91° 40'	4-12-59	1615-1715	25-26	S.	82	82	--	40' midwater trawl
2468	21° 10'	91° 40'	4-12-59	1735-1740	26	S.	80	82	--	40' midwater trawl
2469	20° 17'	91° 35'	4-13-59	0630-0730	20	S.	78	82	--	40' midwater trawl
2470	20° 12'	91° 59'	4-14-59	2000-2300	10	--	--	80	--	Dip net
2471	26° 37'	97° 07'	4-19-59	0820-0900	13	S.Sh.	73	69	71	40' midwater trawl
2472	26° 44.5'	97° 12'	4-19-59	1015-1045	13	S.Sh.	74	69	71	40' midwater trawl
2473	27° 25'	97° 05'	4-19-59	1935-2035	13	M.Sh.	69	70	69	40' midwater trawl
2474	27° 25'	97° 05'	4-20-59	0710-0730	13	M.	67	70	66	40' midwater trawl
2475	27° 27'	97° 04'	4-20-59	0750-0815	14	M.	68	70	66	40' midwater trawl
2476	27° 54'	96° 40'	4-20-59	1455-1525	14	M.	70	71	81	40' midwater trawl
2477	27° 53'	96° 41'	4-20-59	1610-1655	13	M.	70	71	80	40' midwater trawl
2478	28° 52'	95° 10'	4-22-59	1845-1915	10	M.	63	70	79	40' midwater trawl
2479	28° 55'	94° 40'	4-23-59	0910-0940	11	M.	66	70	--	40' midwater trawl
2480	28° 55'	94° 40'	4-23-59	0950-1015	11	M.	66	70	--	40' midwater trawl
2481	28° 14'	94° 57'	4-23-59	2000-2200	26	--	--	74	--	Dip net
2482	27° 59'	94° 48'	4-24-59	0840-0925	48	M.	67	74	--	40' midwater trawl
2483	27° 03'	94° 06'	4-24-59	2020-2230	8	--	67	71	--	Dip net
2484	27° 00'	94° 04'	4-25-59	0705-0720	9-11	M.Sh.	74	70	--	40' midwater trawl
2485	27° 01'	94° 05'	4-25-59	0735-0750	9-11	M.Sh.	74	70	--	40' midwater trawl
2486	27° 04'	93° 19'	4-25-59	1225-1255	11	S.Sh.	74	71	--	40' midwater trawl
2487	27° 06'	93° 21'	4-25-59	1325-1355	11	S.Sh.	74	71	--	40' midwater trawl
2488	27° 09'	93° 09'	4-25-59	1645-1715	10	S.	74	71	--	40' midwater trawl
2489	27° 18'	92° 59'	4-25-59	1900-1925	9	M.	69	71	--	40' midwater trawl
2490	27° 21'	92° 58'	4-25-59	--	8	--	69	71	--	Dip net
2491	27° 05'	92° 45'	4-26-59	0805-0905	12	M.	69	72	70	40' midwater trawl
2492	27° 00'	92° 49'	4-26-59	1020-1040	12	M.	76	72	72	40' midwater trawl
2493	27° 00'	92° 43'	4-26-59	1105-1135	12	M.	76	72	--	40' midwater trawl
2494	26° 48'	91° 14'	4-27-59	1355-1430	6-7	M.	72	74	--	40' midwater trawl
2495	26° 50'	91° 16.5'	4-27-59	1945-2005	5½-6	S.	72	74	--	60' midwater trawl
2496	26° 50'	91° 16'	4-28-59	0750-0820	6	S.	71	73	--	40' midwater trawl
2497	26° 48'	91° 14'	4-28-59	0840-0910	5	S.	71	73	--	40' midwater trawl
2498	26° 51.5'	90° 29'	4-28-59	1415-1515	10	M.S.	74	75	--	40' midwater trawl
2499	26° 02'	90° 08'	4-28-59	1835-1935	8-9	M.S.	73	75	--	40' midwater trawl
2500	28° 59'	90° 04'	4-28-59	--	10	--	--	74	--	Dip net
2501	28° 56'	89° 52.5'	4-29-59	0850-0950	20	M.	82	74	--	60' midwater trawl
2502	29° 09'	89° 48'	4-29-59	1145-1245	10	M.	76	76	--	60' midwater trawl
2503	29° 02'	89° 42'	4-29-59	1455-1555	20	M.	78	74	--	60' midwater trawl
2504	28° 59'	89° 35'	4-29-59	1710-1810	22	M.	74	77	--	60' midwater trawl
2505	29° 30'	88° 16.5'	5-20-59	1800-1915	25	M.	78	76	--	60' midwater trawl
2506	29° 18'	88° 12'	5-20-59	2035-2150	45-80	M.	77	76	--	60' midwater trawl
2507	29° 05'	88° 09.5'	5-20-59	2325-0225	450	--	76	75	--	60' midwater trawl
2508	28° 27'	89° 11.5'	5-21-59	1830-2100	300	--	79	78	--	60' midwater trawl
2509	28° 30.5'	89° 22.5'	5-21-59	2240-0010	85	--	77	78	--	60' midwater trawl
2510	28° 46'	89° 18'	5-22-59	0120-0250	60	--	75	75	--	60' midwater trawl
2511	28° 53'	89° 32'	5-22-59	1200-1300	35	--	82	77	--	60' midwater trawl
2512	28° 54'	89° 34'	5-22-59	1340-1440	30	--	82	78	--	60' midwater trawl
2513	28° 59'	89° 43'	5-22-59	1620-1750	25	--	82	79	--	60' midwater trawl
2514	28° 58'	89° 46'	5-22-59	1825-1955	25	M.	78	77	--	60' midwater trawl
2515	28° 53.5'	89° 47'	5-22-59	2135-2235	26	M.	76	77	--	60' midwater trawl
2516	28° 45'	89° 54'	5-23-59	0010-0110	35	M.	76	76	--	60' midwater trawl
2517	28° 47'	89° 53'	5-23-59	0155-0325	26-41	M.	76	76	--	60' midwater trawl
2518	28° 43'	89° 52'	5-23-59	0400-0530	45-50	M.	77	76	--	60' midwater trawl
2519	28° 39'	90° 03'	5-23-59	0625-0740	80	M.	78	76	--	60' midwater trawl
2520	28° 34'	90° 02'	5-23-59	0815-0900	40	M.	79	76	--	60' midwater trawl
2521	28° 32'	90° 04'	5-23-59	0920-1005	36	M.	79	77	--	60' midwater trawl
2522	28° 32.5'	90° 10'	5-23-59	1200-1330	30	M.	82	77	--	60' midwater trawl
2523	28° 47'	90° 15'	5-23-59	1520-1620	16	M.	80	77	--	60' midwater trawl
2524	28° 55'	90° 06'	5-23-59	1720-1820	13	M.	79	77	--	60' midwater trawl
2525	28° 56'	89° 55'	5-23-59	1940-2010	19	M.	79	79	--	60' midwater trawl
2526	29° 03'	88° 59'	5-24-59	0440-0610	28	M.	79	78	--	60' midwater trawl
2527	29° 10'	88° 50'	5-24-59	0735-0835	38	M.	82	80	--	60' midwater trawl
2528	29° 20'	88° 48'	5-24-59	0940-0945	27	M.	82	80	--	60' midwater trawl
2529	29° 26'	88° 42'	5-24-59	1225-1325	18	M.	80	80	--	60' midwater trawl
2530	29° 27'	88° 38'	5-24-59	1340-1455	23-26	M.	82	80	--	60' midwater trawl
2531	29° 29'	88° 35'	5-24-59	1530-1645	26	M.	82	81	--	60' midwater trawl
2532	29° 33'	88° 29'	5-24-59	1735-1850	25	M.	82	81	--	60' midwater trawl
2533	29° 39'	88° 22'	5-24-59	2015-2115	21	M.	79	80	--	60' midwater trawl
2534	29° 45'	88° 09'	5-24-59	2250-2350	21	M.	78	79	--	60' midwater trawl
2535	29° 51'	88° 01'	5-25-59	0045-0145	16	M.	77	79	--	60' midwater trawl
2536	29° 43'	87° 46'	5-25-59	0415-0515	23	M.	76	78	--	60' midwater trawl
2537	29° 41'	87° 44'	5-25-59	0545-0700	23	M.	77	78	--	40' midwater trawl

Table 1.--H/V Oregon station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		° F.	° F.	° F.	
2538	29°34'	87°56'	5-25-59	0745-0815	31	M.	82	79	--	40' midwater trawl
2539	29°32'	87°38'	5-25-59	0835-0910	32	M.	82	79	--	40' midwater trawl
2540	29°27'	87°36'	5-25-59	1005-1035	44	M.	82	80	--	40' midwater trawl
2541	29°26'	87°39'	5-25-59	1110-1140	47	M.Rk.	82	80	--	40' midwater trawl
2542	29°26'	87°45'	5-25-59	1235-1305	37	M.Rk.	86	81	--	40' midwater trawl
2543	29°26'	87°47'	5-25-59	1325-1355	35-37	M.	86	82	--	40' midwater trawl
2544	29°30'	87°52'	5-25-59	1430-1530	30-27	--	86	82	--	40' midwater trawl
2545	29°32'	87°56'	5-25-59	1615-1715	25-22	M.	86	81	--	40' midwater trawl
2546	29°33'	87°59'	5-25-59	1740-1915	20	M.Sh.	80	81	--	40' midwater trawl
2547	29°15.5'	88°05'	5-25-59	2125-2325	100	M.	79	80	--	40' midwater trawl
2548	29°08'	87°59'	5-26-59	0055-0255	420-740	--	78	80	--	40' midwater trawl
2549	29°25'	88°58'	5-26-59	1050-1340	9-8	M.	86	82	--	40' midwater trawl
2550	29°28'	88°55'	5-26-59	1240-1340	8	M.	80	82	--	40' midwater trawl
2551	29°25'	88°49'	5-26-59	1420-1520	12-13	M.	81	82	--	40' midwater trawl
2552	29°27'	88°43'	5-26-59	1655-1755	16-17	M.	80	81	--	40' midwater trawl
2553	29°32'	88°33.5'	5-26-59	1840-1940	22	M.	80	81	--	40' midwater trawl
2554	29°40'	88°23'	5-26-59	2100-2200	20	M.	80	80	--	40' midwater trawl
2555	29°46'	88°16'	5-26-59	2300-2400	20-18	M.	79	80	--	40' midwater trawl
2556	29°54'	88°13'	5-27-59	0100-0200	17	M.	79	80	--	40' midwater trawl
2557	29°55'	88°16'	5-27-59	0220-0320	17	M.	79	80	--	40' midwater trawl
2558	29°53'	88°25'	5-27-59	0450-0550	17	M.	79	80	--	40' midwater trawl
2559	29°52'	88°36'	5-27-59	0645-0745	13	M.	86	80	--	40' midwater trawl
2560	29°52'	88°43'	5-27-59	0820-0920	9	M.	88	80	--	40' midwater trawl
2561	29°56'	88°43'	5-27-59	0945-1045	9	M.	84	81	--	40' midwater trawl
2562	29°58'	88°46'	5-27-59	1120-1220	6	M.	84	81	--	40' midwater trawl
2563	30°02'	88°43'	5-27-59	1240-1340	6	M.	80	81	--	40' midwater trawl
2564	30°08'	88°51'	5-27-59	1430-1530	8	M.	86	81	--	40' midwater trawl
2565	26°15'	90°18'	7-23/24-59	0135-0600	1675-1700	M.	79	84	--	40' flat trawl
2566	26°24'	90°45'	7-24-59	1530-1835	1500-1450	M.	83	84	--	40' flat trawl
2567	25°41'	91°02'	7-25-59	0700-1200	1750-1725	M.	84	84	--	30' balloon trawl
2568	25°10'	91°06'	7-26-59	0145-1145	1850	M.	84	84	--	30' balloon trawl
2569	25°27'	91°35'	7-26-59	2035-2105	1600	--	84	84	--	Dip net
2570	26°30'	90°42'	7-27-59	--	1500	--	82	84	--	40' flat trawl
2571	26°34'	90°31'	7-27-59	1205-1705	1300	--	86	84	--	40' flat trawl
2572	26°53'	89°56'	7-27-59	0015-0355	1325	--	80	84	--	40' flat trawl
2573	26°52'	89°44'	7-28-59	1005-1505	1350	M.	83	84	--	40' flat trawl
2574	26°34'	89°53'	7-28-59	2025-0125	1450	M.	83	84	--	40' flat trawl
2575	27°06'	89°13'	7-29-59	0930-1430	1200-1100	M.	84	84	--	40' flat trawl
2576	27°09'	88°58'	7-29-59	1950-0050	1950-0050	M.	86	85	--	40' flat trawl
2577	27°48'	88°45'	7-30-59	0500-0900	850-1100	M.	84	85	--	40' flat trawl
2578	30°16.5'	88°32'	8-18-59	1250-1303	2½	--	--	84.5	--	Lampara net
2579	30°14'	88°33.5'	8-18-59	--	3	--	--	84.5	--	Lampara net
2580	30°16'	88°32'	8-18-59	--	3	--	--	85	--	Dip net
2581	30°17'	88°44.5'	8-19-59	--	2½	--	81	85	--	Lampara net
2582	30°17'	88°44.5'	8-19-59	--	2	--	81	--	--	Lampara net
2583	29°46'	89°01'	8-21-59	0710-0712	2½	--	84	82.5	--	Lampara net
2584	29°46'	89°02'	8-21-59	0913-0915	2	--	84	82.5	--	Lampara net
2585	30°03'	88°53.5'	8-22-59	--	2½	--	--	--	--	Dip net
2586	30°13'	88°57'	8-23-59	2159-2200	2	--	--	--	--	Lampara net
2587	30°13'	88°57.5'	8-23-59	--	2	--	--	--	--	Dip net
2588	30°15'	88°46'	8-24-59	--	3	--	84	85	--	Lampara net
2589	30°15'	88°46'	8-24-59	2355-2356	3	--	83	84.5	--	Lampara net
2590	30°12.5'	88°27'	8-25-59	2135-2141	--	--	83	85.5	--	Lampara net
2591	30°17'	88°29'	8-26-59	1502-1505	--	--	85	86	--	Lampara net
2592	30°18'	88°18'	8-27-59	2121-2123	2	M.	84	86.5	--	Lampara net
2593	30°18'	88°18'	8-27-59	--	2	M.	84	86.5	--	Light station
2594	30°17.5'	88°23.5'	8-28-59	1041-1043	2	M.	92	87	--	Lampara net
2595	30°17.5'	88°23.5'	8-28-59	1214-1215	2	M.	89	86.5	--	Lampara net
2596	30°18.5'	88°23.5'	8-28-59	--	2½	--	86	87	--	Lampara net
2597	30°18.5'	88°23.5'	8-29-59	--	2½	M.	85	87	--	Lampara net
2598	30°13'	88°30'	8-29-59	--	3	--	86	86.5	--	Lampara net
2599	29°45.5'	88°45.5'	8-30-59	--	2½	--	86	86.5	--	Lampara net
2600	29°45.5'	88°51'	8-31-59	0422-0425	2½	--	80	85	--	Lampara net
2601	29°45.5'	88°45.5'	8-31-59	--	2½	--	84	86	--	Light station
2602	30°13.5'	88°33'	9-1-59	2119-1220	2	--	84	85.5	--	Lampara net
2603	18°30'	65°59'	9-25-59	1120-1125	230	--	86	84	--	40' flat trawl
2604	18°30'	65°55'	9-25-59	1320-1345	140-160	M.	86	84.5	--	40' flat trawl
2605	18°32'	65°18'	9-25-59	1930-2020	270	--	80	84	--	40' flat trawl
2606	18°37'	65°04'	9-25-59	2315-0110	210	S.Sh.	82	84	--	40' flat trawl
2607	18°37.5'	64°57'	9-26-59	1715-1850	220	Co.Rk.	82	84	--	40' flat trawl
2608	18°35'	65°03'	9-26-59	1945-2020	42	S.Sp.Co.	83	84	--	40' flat trawl
2609	18°36'	64°47'	9-26-59	2245-2305	25	Co.Rk.Sp.	81	84	--	40' flat trawl
2610	18°38.5'	64°46'	9-26-59	2355-2400	28	--	--	84	--	40' flat trawl
2611	18°34.5'	64°47.5'	9-27-59	0015-0018	28	Co.Sp.	81	84	--	40' flat trawl
2612	18°35'	64°42'	9-27-59	0110-0120	27	--	82	84	--	40' flat trawl
2613	18°35'	64°42.5'	9-27-59	0135-0142	27	Sp.S.	82	84	--	40' flat trawl
2614	18°35'	64°36'	9-27-59	0230-0245	18	Sp.Sh.	82	84	--	40' flat trawl
2615	18°38'	64°33'	9-27-59	0335-0355	15	S.	83	84	--	40' flat trawl
2616	18°50.5'	64°37'	9-27-59	1105-1120	40	S.Sp.	86	84	--	40' flat trawl
2617	18°50.5'	64°38'	9-27-59	1140-1200	41	Sp.S.	86	84	--	40' flat trawl
2618	18°14.5'	64°45'	9-27-59	2125-2135	29	Co.Sp.	83	84	--	40' flat trawl
2619	18°15'	64°49'	9-27-59	2235-2250	26	Co.Sp.S.	82	84	--	40' flat trawl
2620	18°15'	64°58'	9-28-59	0020-0040	23	Co.	82	84	--	40' flat trawl
2621	18°46'	64°41'	9-28-59	0805-0825	26	Co.Rk.	84	84	--	40' flat trawl
2622	18°45'	64°40'	9-28-59	1040-1055	24	S.	84	84	--	40' flat trawl
2623	18°47'	64°46'	9-28-59	1200-1215	35	Rk.Sp.	84	84	--	40' flat trawl
2624	18°46'	64°46'	9-28-59	1300-1315	35	Sp.Co.	84	84	--	40' flat trawl
2625	18°45'	64°47'	9-28-59	1345-1405	38	Co.Rk.G.	--	84	--	40' flat trawl
2626	18°27'	65°35'	9-29-59	0130-0145	40	Co.Sp.	84	84	--	40' flat trawl
2627	18°29'	65°13.5'	9-29-59	0620-0635	--	S.	84	84	--	40' flat trawl
2628	18°05'	65°21'	9-29-59	1255-1315	120	S.	88	85	--	40' flat trawl
2629	18°05.5'	65°20'	9-29-59	1350-1400	24	Rk.Sp.	90	85	--	40' flat trawl
2630	18°07'	65°19'	9-29-59	1555-1615	200-210	--	88	85	--	40' flat trawl
2631	17°28'	65°32'	9-30-59	0805-0815	19	S.Sh.	80	85	--	40' flat trawl
2632	17°30'	65°35'	9-30-59	0850-0910	35	S.Sh.	82	85	--	40' flat trawl
2633	17°34'	65°30'	9-30-59	1015-1030	50	Co.Sp.	83	85	--	40' flat trawl
2634	17°38.5'	65°29'	9-30-59	1215-1235	190-195	S.Sp.	83	85	--	40' flat trawl
2635	17°37'	65°28'	9-30-59	1335-1400	220-235	M.S.Co.	83	85	--	40' flat trawl
2636	17°36'	65°32'	9-30-59	1515-1540	240-260	S.	82	85	--	40' flat trawl
2637	17°37'	65°36'	9-30-59	1645-1720	280	S.M.	82	84.5	--	40' flat trawl
2638	17°40'	65°40'	9-30-59	1820-2120	360-380	S.M.	81	84.5	--	40' flat trawl
2639	17°40'	65°46'	9-30-59	2220-0045	360-450	--	80	84.5	--	40' flat trawl

Table 1.--M/V Oregon station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		° F.	° F.	° F.	
2640	17°47'	66°04'	10-4-59	1620-1645	225-240	gy.M.	83	85	--	40' balloon trawl
2641	17°51'	66°08.5'	10-4-59	1850-1900	20	--	82	85	--	40' balloon trawl
2642	17°49'	66°11'	10-4-59	2010-2040	440	M.	82	85	--	40' balloon trawl
2643	18°03'	67°29'	10-5-59	0845-0915	180	M.	88	85	--	40' balloon trawl
2644	18°03'	67°27'	10-5-59	1010-1105	150-180	M.	88	85	--	40' flat trawl
2645	18°12'	67°42'	10-5-59	1620-1650	260	--	82	85	--	40' balloon trawl
2646	18°13'	67°20'	10-5-59	2025-2035	210	--	82	85	--	40' balloon trawl
2647	18°14'	67°20'	10-5-59	2300-2315	210	--	82	85	--	40' balloon trawl
2648	18°13'	67°21'	10-6-59	0045-0115	200	--	80	85	--	40' balloon trawl
2649	18°12'	67°18'	10-6-59	0300-0330	150	M.Co.	82	85	--	40' balloon trawl
2650	18°13'	67°14.5'	10-6-59	0435-0500	125	--	78	85	--	40' balloon trawl
2651	18°16.5'	67°17'	10-6-59	0615-0815	250	M.	82	85	--	40' balloon trawl
2652	18°16'	67°16.5'	10-6-59	0955-1055	230	M.Co.	78	85	--	40' balloon trawl
2653	18°16'	67°17.5'	10-6-59	1235-1315	300	M.Co.	80	85	--	40' balloon trawl
2654	18°26'	67°10.5'	10-6-59	1630-1730	150	S.	78	85	--	40' flat trawl
2655	18°26'	67°11'	10-6-59	1820-1920	125	S.	78	85	--	40' flat trawl
2656	18°26.5'	67°15'	10-6-59	1955-2055	100	M.8.Co.	78	85	--	40' flat trawl
2657	18°26.5'	67°12'	10-6-59	2210-2340	200	S.M.	78	85	--	40' balloon trawl
2658	18°25.5'	67°14'	10-7-59	0110-0210	250	M.Co.	78	85	--	40' balloon trawl
2659	18°26'	67°11.5'	10-7-59	0850-1020	175	--	80	85	--	40' balloon trawl
2660	18°32'	67°09'	10-7-59	1200-1215	17	--	80	85	--	40' flat trawl
2661	18°31'	67°09'	10-7-59	1245-1255	17	--	80	85	--	40' flat trawl
2662	18°33'	67°07.5'	10-7-59	1340-1350	32	--	80	85	--	40' flat trawl
2663	18°30.5'	66°55'	10-7-59	1615-1625	43	--	80	84	--	40' flat trawl
2664	18°31.5'	66°46.5'	10-7-59	1615-1915	160	M.S.	78	84	--	40' balloon trawl
2665	18°31.5'	66°50'	10-7-59	2000-2100	180	M.	78	84	--	40' flat trawl
2666	18°32'	66°46.5'	10-7-59	2145-2305	200	M.Co.	78	84	--	40' flat trawl
2667	18°31.5'	66°47'	10-8-59	0100-0140	160	M.Co.	78	84	--	40' balloon trawl
2668	18°31'	66°47'	10-8-59	0250-0300	38	M.	78	84	--	40' balloon trawl
2669	18°31'	66°47.5'	10-8-59	1210-1220	38	M.	84	84	--	40' balloon trawl
2670	24°27'	83°26'	10-14-59	1600-1730	210	M.	82	83	--	40' balloon trawl
2671	24°26'	83°24'	10-14-59	1815-2115	212	M.	82	83	--	40' balloon trawl
2672	24°30'	83°33'	10-14/15-59	2200-0100	220	M.	81	83	--	40' balloon trawl
2673	24°25'	83°25'	10-15-59	0145-0345	250	M.	81	83	--	40' balloon trawl
2674	24°28'	83°31'	10-15-59	0435-0735	200	M.	81	83	--	40' balloon trawl
2675	24°23'	83°22'	10-15-59	0810-1110	190	M.	83	83	--	40' balloon trawl
2676	30°07.5'	88°04.5'	11-19-59	0745-0810	8-9	M.	50	63	--	40' midwater trawl
2677	29°56'	85°54'	11-22-59	1245-1430	17	--	70	68	--	40' midwater trawl
2678	29°56'	86°05'	11-23-59	0750-1000	21-22	--	69	68	--	60' midwater trawl
2679	26°58'	85°09'	12-4-59	1415-1515	20	S.Sh.	67	72	--	40' midwater trawl
2680	26°49'	85°19'	12-4-59	1800-2230	26	--	65	72	--	Dip net
2681	26°40'	85°30'	12-5-59	0715-0815	30	S.Sh.	69	75	--	40' midwater trawl
2682	26°36'	85°32'	12-5-59	0835-0940	32	S.Sh.	69	75	--	40' midwater trawl
2683	26°30'	85°45'	12-5-59	1130-1230	48	wh.S.Sh.Co.	69	76	--	40' midwater trawl
2684	27°45'	85°00'	12-5-59	2200-2400	85	S.Sh.	66	74	--	Right light
2685	29°11.5'	86°02'	12-9-59	0925-1130	700	gy.M.	62	72	--	40' midwater trawl
2686	29°11.5'	86°03'	12-9-59	1415-1600	420-180	gy.M.	68	71	--	40' midwater trawl
2687	29°27.5'	86°31'	12-10-59	1820-1950	27-24	gy.S.	67	68	--	40' midwater trawl
2688	29°15'	86°29.5'	12-10-59	0910-0955	42	gy.M.S.	67	68	--	40' midwater trawl
2689	29°15'	86°32.5'	12-10-59	1040-1140	39	gy.M.S.	67	68	--	40' midwater trawl
2690	29°15'	86°33.5'	12-10-59	1205-1235	31	gy.M.S.	68	68	--	40' midwater trawl
2691	29°15'	86°33'	12-10-59	1305-1335	40	gy.M.S.	68	68	--	40' midwater trawl
2692	29°15'	86°33.5'	12-10-59	1405-1505	38	gy.M.	69	68	--	40' midwater trawl
2693	29°17'	86°33'	12-10-59	1830-2230	35	--	69	68	--	Dip net
2694	29°12'	86°33'	12-11-59	0810-0925	42-55	gy.M.	69	69	--	60' midwater trawl
2695	29°15'	86°32.5'	12-11-59	1045-1145	40	gy.M.	69	71	--	60' midwater trawl
2696	29°15'	86°30'	12-11-59	1240-1345	39	gy.M.	71	71	--	60' midwater trawl
2697	29°24'	86°54.5'	12-12-59	0930-1035	3-10	gy.M.S.	58	61	--	60' midwater trawl
2698	29°11.5'	86°35'	12-14-59	1815-1915	43	gy.M.	69	69	--	40' flat trawl
2699	29°11.3'	86°40.5'	12-14-59	1940-2140	41	gy.M.	69	69	--	40' flat trawl
2700	29°11.3'	86°34'	12-14-59	2220-2345	43	gy.M.	65	68	--	40' flat trawl
2701	29°11'	86°40.5'	12-15-59	0015-0200	41	gy.M.	65	67	--	40' balloon trawl
2702	29°10'	86°35.5'	12-15-59	0225-0345	41	gy.M.	64	67	--	40' balloon trawl
2703	29°10'	86°41.5'	12-15-59	0415-0615	42	gy.M.	65	67	--	40' balloon trawl
2704	29°09.8'	86°36'	12-15-59	0630-0745	48	gy.M.	69	69	--	40' balloon trawl
2705	29°09.5'	86°40.5'	12-15-59	0815-0935	44	gy.M.	69	69	--	40' balloon trawl
2706	29°09.2'	86°36'	12-15-59	0955-1045	47	gy.M.	69	69	--	40' balloon trawl
2707	29°09'	86°41'	12-15-59	1115-1215	44	gy.M.	69	69	--	40' balloon trawl
2708	29°09'	86°36.5'	12-15-59	1250-1425	52-70	gy.M.	69	67	--	40' balloon trawl
2709	29°11'	86°33'	12-15-59	1445-1635	60-70	gy.M.	67	67	--	40' balloon trawl
2710	29°37'	84°54.5'	1-21-60	--	3	S.	45	--	--	Lift net
2711	29°37'	84°54.5'	1-21-60	--	3	S.	44	--	--	Lift net
2712	27°43.5'	82°46.5'	1-25-60	--	4	S.	55	56	--	Lift net
2713	27°43.5'	82°46.5'	1-25-60	--	4	S.	54	56	--	Lift net
2714	27°43'	82°52'	1-26-60	1727-1728	5	S.Sh.	62	57	--	Lampara net
2715	27°43'	82°52'	1-26-60	--	5	S.Sh.	58	57	--	Lift net
2716	27°43'	82°52'	1-26-60	--	5	S.Sh.	58	57	--	Lift net
2717	27°43'	82°52'	1-26-60	--	5	S.Sh.	58	57	--	Lift net
2718	27°42.5'	82°50.5'	1-27-60	0934-0935	4	S.	61	57	--	Lampara net
2719	27°42.5'	82°50.5'	1-27-60	--	4	S.	61	58	--	--
2720	27°42.5'	82°50.5'	1-27-60	--	4	S.	61	58	--	Lift net
2721	27°42.5'	82°50.5'	1-27/28-60	--	4	S.	59	58	--	Lift net
2722	27°46'	82°53.5'	1-28-60	--	5	S.	61	58	--	Lift net
2723	27°46'	82°53.5'	1-28-60	--	5	S.	61	58	--	Lift net
2724	25°39'	81°50'	2-2-60	--	6	gy.S.Sh.	62	63.5	--	Dip net
2725	24°41'	82°25'	2-2-60	--	9	--	68	69	--	--
2726	26°13'	82°10'	2-3-60	--	9	S.Sh.	67	64	--	Lift net
2727	26°13'	82°10'	2-3-60	--	9	S.Sh.	65	64	--	Lift net
2728	26°13'	82°10'	2-3-60	--	9	--	65	64	--	Lift net
2729	26°13'	82°10'	2-3/4-60	--	9-8	--	65	63.5	--	Lift net
2730	26°13'	82°10'	2-4-60	--	9	--	63	63.5	--	Lift net
2731	27°37'	82°42.5'	2-7-60	--	4	S.Sh.	55	61.5	61.5	Lift net
2732	27°37'	82°42.5'	2-7-60	--	4	S.Sh.	56	61.5	--	Lift net
2733	27°50'	83°45'	2-9-60	--	23	S.Co.S.	64	67	--	--
2734	27°47'	83°25'	2-9-60	--	17	S.Sh.Co.	64	67	--	--
2735	27°42'	83°09'	2-10-60	--	10	S.Sh.	61	66	--	--
2736	27°54'	82°43.5'	2-10-60	--	3	wh.S.Sh.	68	61	--	Lift net
2737	29°40'	85°16.5'	2-15-60	--	4	M.8.Co.	40	55	--	--
2738	29°12'	86°37'	3-5-60	1255-1330	41	--	46	62	--	60' midwater trawl
2739	29°12.5'	86°36'	3-5-60	1355-1550	42	--	46	62	--	60' midwater trawl
2740	29°13'	86°34'	3-5-60	1610-1725	52	--	48	62	--	60' midwater trawl
2741	29°10'	86°13'	3-6-60	0810-0900	41	--	50	63	--	60' midwater trawl
2742	29°09'	86°10'	3-6-60	1020-1120	50-40	--	50	63	--	60' midwater trawl
2743	29°10.5'	86°12'	3-6-60	1245-1345	42	--	52	62	--	60' midwater trawl
2744	29°08'	86°13'	3-6-60	1420-1540	46-42	--	52	62	--	60' midwater trawl
2745	29°08'	86°40'	3-6-60	1655-1845	48	--	50	62	--	60' midwater trawl



Table 1.--M/V Oregon station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
						Fathoms	° F.	° F.	° F.	
2746	29° 10'	88° 41'	3-7-60	0720-0830	41-49	--	56	63	--	60' midwater trawl
2747	29° 08'	88° 41'	3-7-60	0850-1030	43	--	56	63	--	60' midwater trawl
2748	29° 09'	88° 43'	3-7-60	1110-1225	46	--	54	63	--	60' midwater trawl
2749	29° 08'	88° 43'	3-7-60	1350-1450	42	--	56	63	--	60' midwater trawl
2750	29° 17'	88° 56'	3-7-60	1640-1755	21	--	50	50	--	60' midwater trawl
2751	29° 23'	88° 51'	3-7-60	1930-0530	13	--	50	45	--	Mercury light station
2752	29° 15'	88° 55'	3-8-60	0845-0915	22	--	52	48	--	60' midwater trawl
2753	29° 16'	88° 55'	3-8-60	0940-1100	20	--	52	48	--	60' midwater trawl
2754	29° 12.5'	88° 55.5'	3-8-60	1130-1330	18	--	56	47	--	60' midwater trawl
2755	29° 17.5'	88° 54'	3-8-60	1740-1845	21-24	--	54	50	--	60' midwater trawl
2756	29° 09.5'	88° 38'	3-9-60	1140-1300	45-43	--	68	63	--	60' midwater trawl
2757	29° 11'	88° 39'	3-9-60	1330-1425	43-49	--	65	63	--	60' midwater trawl
2758	29° 11'	88° 39'	3-9-60	1455-1715	50	--	65	63	--	60' midwater trawl
2759	29° 11.5'	88° 38.5'	3-9-60	1805-1925	40-42	--	62	63	--	60' midwater trawl
2760	29° 51'	88° 22'	3-10-60	0725-0835	19	--	56	59	--	60' midwater trawl
2761	29° 50'	88° 22'	3-10-60	0900-1000	19-18	--	56	59	--	60' midwater trawl
2762	24° 35'	83° 10'	4-1-60	1810-1840	35	Sh.S.Co.	76	76	--	Plankton net
2763	12° 15'	69° 02'	4-9-60	1300-2400	500	--	79	80	--	Night light
2764	12° 38'	69° 17'	4-10-60	0615-0730	1000	--	81	80	--	Longline
2765	12° 40'	68° 04'	4-11-60	0600-0730	2300	--	80	80	--	Longline
2766	12° 07'	66° 29'	4-12-60	0650-0745	500-2000	--	82	78	--	Longline
2766A	12° 10'	66° 25'	4-12-60	1350-1610	1700	--	80	80	--	Midwater plankton trawl
2766B	12° 10'	66° 10'	4-12-60	1640-2015	2130	--	79	80	--	6' midwater trawl
2767	12° 10.5'	64° 41'	4-13-60	0930-1120	1250	--	79	80	--	Longline
2768	12° 36'	63° 40'	4-14-60	0530-0820	600-1300	--	80	80	--	Longline
2768A	12° 13'	63° 20'	4-14-60	1710-2010	--	--	79	80	--	6' midwater trawl
2769	11° 55'	62° 40'	4-15-60	0605-0700	700	--	81	80	--	Longline
2770	11° 40'	62° 40'	4-15-60	1245-1435	215	--	81	80	--	40' shrimp trawl
2771	11° 40'	62° 27'	4-15-60	1535-1735	220	--	80	80	--	40' flat trawl
2772	11° 30'	62° 29'	4-18-60	1930-2120	180	--	79	80	--	40' flat trawl
2773	11° 33'	62° 42'	4-18-60	2330-0040	210-280	--	79	80	--	40' flat trawl
2774	11° 32'	62° 40'	4-19-60	0235-0535	195-212	--	79	80	--	40' flat trawl
2775	11° 35'	62° 37'	4-19-60	0645-0825	220-230	--	80	80	--	40' flat trawl
2776	11° 36'	62° 42'	4-19-60	1000-1200	235	--	80	80	--	40' flat trawl
2777	11° 36'	62° 46'	4-19-60	1520-1800	--	--	79	80	--	40' flat trawl
2778	11° 40'	63° 05'	4-19-60	2130-2330	240-250	--	79	80	--	40' flat trawl
2779	11° 35'	62° 59'	4-20-60	0105-0405	260-240	--	79	80	--	40' flat trawl
2780	11° 36'	62° 52'	4-20-60	0520-0700	215-230	--	80	80	--	40' flat trawl
2781	11° 34'	62° 49'	4-20-60	0850-0940	160-200	--	81	80	--	40' flat trawl
2782	11° 33'	62° 50'	4-20-60	1245-1345	200	--	82	80	--	40' flat trawl
2782A	12° 22'	61° 46'	4-21-60	0240-0350	1500	--	78	80	--	Dip net
2783	12° 24'	61° 51'	4-21-60	0500-0700	1475	--	82	80	--	Longline
2784	14° 12'	61° 08	4-21/22-60	--	1400	--	79	80	--	Dip net
2785	14° 13'	61° 14'	4-22-60	0430-0600	1500	--	80	80	--	Longline
2786	15° 23'	63° 58'	4-23-60	0600-0730	300	--	80	80	--	Longline
2787	17° 50'	66° 56'	4-24-60	1120-1340	700-1250	yl.Cl.S.	86	80	--	Midwater plankton trawl
2788	17° 57'	67° 21'	4-24-60	1515-1800	210	hrd.gv.S.	78	80	--	Midwater plankton trawl
2789	18° 35'	67° 34'	4-24-60	2130-0110	800	--	77	80	--	Dip net
2790	18° 39'	67° 35.5'	4-25-60	0300-0520	600-1900	Rk.	78	81	--	Longline
2791	20° 20'	73° 51'	4-27-60	0605-0705	1200-800	--	83	81	--	Longline
2792	21° 28'	76° 09'	4-28-60	0430-0530	1900-1550	--	78	79	--	Longline
2793	23° 25'	79° 51'	4-29-60	1000-1240	270	--	78	79	--	Midwater plankton trawl
2794	23° 30'	80° 10'	4-29-60	1300-1605	240-460	--	82	79	--	Midwater plankton trawl
2795	23° 38'	80° 30'	4-29-60	1625-1925	460	--	82	79	--	Midwater plankton trawl
2796	28° 20'	87° 48'	5-3-60	0505-0900	1300	gy.M.S.	73	74	--	Longline
2797	29° 27.8'	88° 50'	5-27-60	2152-2300	9	gy.M.S.	78	76	--	Lift net
2798	29° 05'	88° 48'	5-28-60	1725-1920	48	gy.M.	83	80	--	60' midwater trawl
2799	29° 12'	88° 26'	5-29-60	0820-0905	78	gy.M.	80	79	--	60' midwater trawl
2800	29° 12'	88° 26'	5-29-60	1015-1130	78	gy.M.	80	80	--	60' midwater trawl
2801	29° 13'	88° 23'	5-30-60	--	65	gy.M.	78	79.5	--	Mercury night light
2802	29° 13'	88° 11.5'	5-31-60	1800-1915	68-63	gy.M.	78	79	--	65' midwater trawl
2803	29° 13.5'	88° 13'	6-1-60	0820-0830	68	gy.M.	81	79	--	40' flat trawl
2804	29° 13.5'	88° 12.5'	6-1-60	0915-1000	68	gy.M.	81	79	--	40' flat trawl
2805	29° 50.5'	87° 43'	6-1-60	2045-2115	18	gy.S.	80	84	--	25' flat trawl
2806	29° 50.5'	87° 42'	6-1-60	2130-2200	17	gy.S.	80	84	--	25' flat trawl
2807	29° 52.5'	87° 39.5'	6-1-60	2215-2245	16	gy.S.	80	84	--	25' flat trawl
2808	29° 54'	87° 34.5'	6-1-60	2300-2330	16	gy.S.	79	84	--	25' flat trawl
2809	29° 55'	87° 31.5'	6-1/2-60	2345-0015	16	gy.S.	79	84	--	25' flat trawl
2810	29° 56'	87° 28'	6-2-60	0030-0100	16	gy.S.	78	82	--	25' flat trawl
2811	29° 57'	87° 51'	6-2-60	0115-0145	16	gy.S.	78	82	--	25' flat trawl
2812	29° 57'	87° 51'	6-2-60	0215-0245	16	gy.S.	79	81	--	25' flat trawl
2813	28° 48'	87° 57'	7-13-60	0510-1110	1000	M.	80	85	--	65' flat trawl
2814	28° 53'	87° 47'	7-13-60	1425-1925	950-1050	--	84	85	--	65' flat trawl
2815	28° 49.5'	87° 57'	7-13-60	2305-0405	980	--	84	85	--	40' balloon trawl
2816	28° 38'	88° 18'	7-14-60	--	950	--	89	85	--	40' balloon trawl
2817	28° 3'	88° 16'	7-14-60	1505-2005	1000	--	--	85	--	40' balloon trawl
2818	28° 40'	88° 10'	7-15-60	2400-0145	1050-800	--	83	85	--	40' balloon trawl
2819	28° 35'	88° 16.5'	7-15-60	0700-1100	1000-900	--	--	85	--	40' balloon trawl
2820	28° 25'	88° 21.5'	7-15-60	1545-2045	1000	--	86	85	--	40' balloon trawl
2821	28° 47.5'	87° 57'	7-16-60	0725-1230	1000-1100	--	83	85	--	40' balloon trawl
2822	28° 55'	87° 49'	7-16-60	1725-1840	900	--	84	85	--	40' balloon trawl
2823	28° 09'	87° 52.5'	7-17-60	1255-0455	500-575	--	84	85	--	40' balloon trawl
2824	28° 07.5'	88° 04'	7-17-60	0710-1010	365-395	--	86	85	--	40' balloon trawl
2825	28° 12.5'	87° 53.5'	7-17-60	1140-1440	240-245	gy.M.	89	85	--	40' flat trawl
2826	28° 15'	88° 05'	7-17-60	1605-1640	115-100	--	84	85	--	40' balloon trawl
2827	28° 16.5'	88° 04.5'	7-17-60	1735-1935	90-80	--	84	86	--	40' balloon trawl
2828	29° 56'	87° 29.5'	7-18-60	0040-0110	168	--	78	87	--	25' flat trawl
2829	29° 57'	87° 32'	7-18-60	0145-0215	168	--	78	86	--	25' flat trawl
2830	29° 57'	87° 30'	7-18-60	--	17	--	78	86	--	25' flat trawl
2831	29° 56'	87° 28'	7-18-60	0315-0345	17	--	78	86	--	25' flat trawl
2832	29° 56'	87° 30.5'	7-18-60	0405-0435	17	--	78	86	--	25' flat trawl
2833	29° 58'	87° 53'	7-18-60	0505-0540	16	--	78	86	--	25' flat trawl
2834	29° 56.5'	87° 53.5'	7-18-60	0555-0625	17	--	80	86	--	25' flat trawl
2835	29° 56'	87° 53.5'	7-18-60	0640-0710	16	--	80	86	--	25' flat trawl
2836	29° 56.5'	87° 53'	7-18-60	0725-0755	16	--	82	86	--	25' flat trawl
2837	29° 56.5'	87° 52'	7-18-60	0830-0900	16	--	84	86	--	25' flat trawl
2838	29° 56'	87° 54'	7-18-60	0915-0950	17	--	84	86	--	25' flat trawl
2839	29° 55.5'	87° 53.5'	7-18-60	1005-1035	16	--	83	86	--	25' flat trawl
2840	29° 55'	87° 53'	7-18-60	1055-1125	17	--	86	86	--	25' flat trawl
2841	29° 57'	87° 53'	7-18-60	1140-1210	17	--	86	86	--	25' flat trawl
2842	29° 56'	87° 54'	7-18-60	1235-1305	17	--	86	86	--	25' flat trawl
2843	29° 55.5'	87° 55'	7-18-60	1320-1350	17	--	86	86	--	25' flat trawl
2844	29° 56'	87° 55.5'	7-18-60	1410-1440	17-15	--	--	--	--	25' flat trawl
2845	29° 58'	87° 56'	7-18-60	1500-1530	15	--	86	86	--	25' flat trawl
2846	29° 58'	87° 55'	7-18-60	1550-1620	16	--	85	86	--</	

Table 1.--M/V Oregon station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		° F.	° F.	° F.	
2847	30° 08'	88° 23'	7-26-60	1145-1220	8	M.S.	93	88	--	40' balloon trawl
2848	30° 07'	88° 21'	7-26-60	1240-1255	10	gy.M.S.	92	88	--	Gill net
2849	30° 07'	88° 21'	7-26-60	1315-1445	10	gy.M.S.	92	88	--	Gill net
2850	30° 07'	88° 21'	7-26-60	1315-1415	10-11	gy.M.S.	92	88	--	25' flat trawl
2851	30° 08'	88° 23'	7-26-60	1520-1555	9	gy.M.S.	91	88	--	25' flat trawl
2852	29° 46'	91° 13.5'	8-2-60	1830-2030	7-5	--	79	85	--	40' balloon trawl
2853	29° 45'	91° 22'	8-3-60	0605-0805	10-12	M.	85	85	--	40' balloon trawl
2854	29° 33'	91° 22'	8-3-60	0930-1035	20-23	M.	88	86	--	40' balloon trawl
2855	29° 25'	91° 32'	8-3-60	1210-1340	32-34	M.	87	87	--	40' balloon trawl
2856	29° 15'	91° 35'	8-3-60	1445-1545	40-42	M.	89	87	--	40' balloon trawl
2857	29° 53'	91° 47'	8-3-60	1930-2230	110	--	85	87	--	Dip net
2858	29° 12'	91° 50'	8-4-60	0620-0755	40	--	86	86	--	40' balloon trawl
2859	29° 25'	91° 52.5'	8-4-60	0855-1025	28-30	M.	90	85.5	--	40' balloon trawl
2860	29° 38.5'	91° 55'	8-4-60	1135-1305	17-20	M.	92	86.5	--	40' balloon trawl
2861	29° 43'	91° 56'	8-4-60	1335-1445	17-20	M.	85	87	--	71' balloon trawl
2862	29° 37'	91° 51.5'	8-4-60	1525-1725	18-22	M.	89	87	--	71' balloon trawl
2863	29° 45'	91° 57'	8-4-60	1810-1910	16	M.	86	86	--	71' balloon trawl
2864	29° 42'	91° 58'	8-5-60	0730-0930	16-19	M.	86	86.5	--	71' balloon trawl
2865	29° 04'	92° 04'	8-5-60	1150-1215	--	--	86	85.5	--	Plankton net
2866	29° 07'	92° 05'	8-5-60	1300-1500	7	M.	92	88	--	71' balloon trawl
2867	29° 30'	92° 36.5'	8-5-60	1905-2005	5	M.	85	86.5	--	71' balloon trawl
2868	29° 31'	92° 40'	8-5-60	2025-2325	--	--	84	86	--	Dip net
2869	29° 31'	92° 45'	8-6-60	0605-0805	6	M.	93	86	--	71' balloon trawl
2870	29° 31'	92° 59'	8-6-60	0905-1105	6	M.	93	86.5	--	71' balloon trawl
2871	29° 28'	93° 05'	8-6-60	1155-1355	7	M.	91	86.5	--	71' balloon trawl
2872	29° 20'	93° 12'	8-6-60	1500-1600	9	M.	89	86.5	--	71' balloon trawl
2873	29° 29'	93° 19'	8-6-60	1755-1855	7	M.	85	87	--	71' balloon trawl
2874	29° 37.5'	93° 22'	8-6-60	1940-2010	6	M.	84	86.5	--	71' balloon trawl
2875	29° 40'	93° 23'	8-7-60	0605-0805	5	M.	84	86.5	--	71' balloon trawl
2876	29° 43'	93° 30'	8-7-60	0830-1015	5	M.	82	86	--	71' balloon trawl
2877	29° 39'	93° 38'	8-7-60	1045-1245	5	M.	87	87.4	--	70' balloon trawl
2878	29° 37'	93° 44.5'	8-7-60	1305-1505	5-2-6	M.S.Sh.	86	87	--	71' balloon trawl
2879	29° 34'	93° 52'	8-7-60	1525-1725	6	M.S.Sh.	88	86.5	--	71' balloon trawl
2880	29° 33'	94° 03'	8-7-60	1745-1845	6	M.S.Sh.	84	86.5	--	71' balloon trawl
2881	29° 31'	94° 10'	8-7-60	1935-2135	6	M.	83	86.5	--	71' balloon trawl
2882	29° 24'	94° 25'	8-8-60	0620-0820	6-3/4	M.	86	86	--	71' balloon trawl
2883	29° 12'	94° 50'	8-10-60	1255-1355	6-7	M.	86	87	--	71' balloon trawl
2884	29° 10'	94° 56'	8-10-60	1440-1640	5	M.	84	86	--	71' balloon trawl
2885	29° 05'	95° 03'	8-10-60	1725-1855	7.5	M.S.	84	86	--	71' balloon trawl
2886	29° 53'	95° 04'	8-10-60	2025-2225	10	M.S.	84	85.5	--	40' & 71' balloon trawl
2887	29° 57'	95° 01'	8-10-60	2320-0120	10	M.	84	85	--	40' & 71' balloon trawl
2888	29° 36'	95° 03'	8-11-60	0605-0905	15	M.	82	86	--	40' & 71' balloon trawl
2889	29° 17'	95° 05'	8-11-60	1025-1155	24-27	M.	85	84.5	--	40' balloon trawl
2890	29° 05'	95° 05'	8-11-60	1250-1420	32-43	M.	87	83	--	40' balloon trawl
2891	29° 55'	95° 12'	8-11-60	1710-1810	50	M.	81	84.5	--	40' balloon trawl
2892	29° 55.5'	95° 10'	8-11-60	1825-1925	45	M.	79	83.5	--	40' balloon trawl
2893	29° 56'	95° 14'	8-11-60	--	45	M.	79	83.5	--	Dip net
2894	29° 05'	95° 18'	8-12-60	0720-0850	30	M.	76	83.5	--	40' balloon trawl
2895	29° 18'	95° 22'	8-12-60	1000-1100	20	M.	78	84.5	--	40' balloon trawl
2896	29° 18.5'	95° 19.5'	8-12-60	1120-1220	20	M.	82	84.5	--	40' balloon trawl
2897	29° 21'	95° 24'	8-12-60	1300-1500	18	M.S.Sh.	79	84.5	--	71' balloon trawl
2898	29° 30'	95° 25'	8-12-60	1620-1820	15	M.	79.5	84.5	--	71' balloon trawl
2899	29° 33'	95° 33'	8-12-60	1945-2130	11	M.	79	85	--	71' balloon trawl
2900	29° 34'	95° 27'	8-12-60	2200-0100	11	M.	79	85	--	Dip net
2901	29° 40'	95° 38'	8-13-60	--	7	M.	77	85	--	71' balloon trawl
2902	29° 39.5'	95° 45'	8-13-60	0845-1015	5	M.	80	85	--	71' balloon trawl
2903	29° 39'	95° 50'	8-13-60	1030-1200	5	M.	82	84	--	71' balloon trawl
2904	29° 32'	95° 54'	8-13-60	1220-1350	5-7	M.	82	84.5	--	71' balloon trawl
2905	29° 29'	95° 56'	8-13-60	1415-1715	7	S.	82	84.5	--	71' balloon trawl
2906	29° 25'	96° 10'	8-13-60	1810-1910	6-10	M.	82	84.5	--	65' flat trawl
2907	29° 25'	96° 10'	8-13-60	1925-2055	10	M.	81	84	--	65' flat trawl
2908	29° 08'	96° 12'	8-14-60	0640-0840	15	M.S.	80	82.5	--	65' flat trawl
2909	29° 00'	96° 16'	8-14-60	1020-1150	21	M.S.	82	83.5	--	65' flat trawl
2910	29° 58'	96° 09'	8-14-60	1225-1355	25	M.	75	83.5	--	65' flat trawl
2911	29° 09'	96° 20'	8-14-60	--	13	M.	83	85	--	65' flat trawl
2912	29° 04'	96° 25'	8-14-60	1930-2130	14	M.	83	85	--	65' flat trawl
2913	29° 16'	96° 26'	8-15-60	0700-0930	7	M.	87	85	--	65' flat trawl
2914	29° 14'	96° 33.5'	8-15-60	0905-1035	5-6	S.	86	84	--	65' flat trawl
2915	29° 10'	96° 41.5'	8-15-60	1055-1225	5	S.	87	84	--	65' flat trawl
2916	29° 10.5'	96° 48.5'	8-15-60	1315-1445	7	M.	87	84.4	--	65' flat trawl
2917	29° 54'	96° 52'	8-15-60	1530-1700	9	S.M.	84	84.4	--	65' flat trawl
2918	29° 50'	96° 57'	8-15-60	--	9	M.	84	84.5	--	Dip net
2919	29° 43.5'	96° 12.5'	8-18-60	0630-0730	42	M.	85	84	--	40' balloon trawl
2920	29° 44'	96° 10'	8-18-60	0755-0855	42	M.	86	84	--	71' balloon trawl
2921	29° 43'	95° 55'	8-18-60	1145-1245	49	M.	90	85	--	40' balloon trawl
2922	29° 54'	95° 45'	8-18-60	1555-1655	32	M.	89	84.5	--	40' balloon trawl
2923	29° 48'	95° 36'	8-18-60	2000-0300	44	M.	86	84.5	--	Dip net
2924	29° 00'	95° 21.5'	8-19-60	0745-0845	34	M.	84	84	--	40' balloon trawl
2925	29° 07'	94° 56'	8-19-60	1105-1205	30	M.S.Sh.	85	85	--	40' balloon trawl
2926	29° 21'	94° 45'	8-19-60	1425-1525	22	M.	84	86	--	65' flat trawl
2927	29° 35'	94° 34'	8-19-60	1655-1755	17	M.	84	85.5	--	65' flat trawl
2928	29° 30'	94° 28'	8-19-60	1910-2010	20	M.	83	86.3	--	65' flat trawl
2929	29° 17'	94° 20'	8-20-60	0635-0735	27	M.	84	84.5	--	65' flat trawl
2930	29° 10'	94° 15'	8-20-60	0900-1000	32	M.	85	84.5	--	40' balloon trawl
2931	29° 10'	93° 30'	8-21-60	0615-0715	35	M.	85	85	--	40' balloon trawl
2932	29° 25'	93° 21.5'	8-21-60	0905-1005	27	--	86	85.3	--	40' balloon trawl
2933	29° 41'	93° 00'	8-21-60	1310-1410	18	--	84	85	--	40' balloon trawl
2934	29° 43'	92° 51'	8-21-60	1505-1705	17	--	84	85	--	71' balloon trawl
2935	29° 42.5'	92° 29'	8-21-60	1820-1920	16-19	M.	84	85	--	40' balloon trawl
2936	29° 42.5'	92° 26.5'	8-21-60	--	20	M.	--	85	--	Night light
2937	29° 43'	92° 25'	8-22-60	0625-0725	20	--	84	84.5	--	40' balloon trawl
2938	29° 45'	91° 58'	8-22-60	1030-1130	16	M.	84	84.5	--	40' balloon trawl
2939	29° 37'	91° 41'	8-22-60	1335-1435	19-22	--	86	85	--	40' balloon trawl
2940	29° 41'	91° 52'	8-22-60	1645-1815	17	M.	86	85	--	71' balloon trawl
2941	29° 42'	91° 54'	8-22-60	--	17	M.	--	84.5	--	Dip net
2942	29° 08'	91° 12'	8-23-60	1100-1230	57	M.	86	85	--	40' balloon trawl
2943	29° 46'	90° 55'	8-23-60	1605-1710	360-450	M.	85	85	--	60' midwater trawl
2944	29° 40'	90° 50'	8-24-60	1820-0540	600-700	M.	85	85	--	40' midwater trawl
2945	29° 33'	88° 48'	8-24-60	1800-0500	650	M.	85	85	--	40' midwater trawl
2946	29° 14'	88° 25.5'	9-7-60	--	34	--	84	85	--	Submarine light
2947	29° 00'	88° 23.5'	9-7-60	--	424	gy.M.	84	84	--	265' lampara net
2948	29° 52.5'	88° 09'	9-7/8-60	--	800	gy.M.	82	84	--	Dip net
2949	29° 05'	88° 44'	9-8-60	--	48	M.S.	81	84.5	--	Lift net
2950	29° 05'	88° 44'	9-8-60	--	48	M.S.	81	84	--	Lift net
2951	29° 14.5'	88° 25.5'	9-12-60	--	36	gy.M.	79	83.5	--	Submarine light

Table 1.--M/V Oregon station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		° F.	° F.	° F.	
2952	29° 14.5'	88° 25.5'	9-12/13-60	--	38	gy.M.	80	83.5	--	500 watt above-surface light
2953	28° 52'	88° 08'	9-13-60	--	720	gy.M.	88	83	--	Trolling jigs
2954	28° 53'	88° 023'	9-13-60	--	1050	hu.M.	81	83.5	--	Night light
2955	30° 02'	87° 055.5'	9-22-60	1845-1915	16	gy.S.Sb.	82	83	--	25' flat trawl
2956	29° 59'	87° 04.5'	9-22-60	1940-2010	16	gy.S.Sb.	82	83	--	25' flat trawl
2957	29° 58'	87° 04.5'	9-22-60	2030-2100	16	gy.S.Sb.	82	83	--	25' flat trawl
2958	29° 58'	87° 033'	9-22-60	2130-2200	16	gy.S.Sb.	81	82	--	25' flat trawl
2959	29° 58'	87° 035'	9-22-60	2220-2250	16	gy.S.Sb.	81	82	--	25' flat trawl
2960	28° 26'	92° 56'	10-5-60	2245-2400	29	--	78	80	--	40' balloon trawl
2961	28° 36'	93° 04'	10-6-60	0125-0225	18	--	78	80	--	40' balloon trawl
2962	28° 45'	93° 15'	10-6-60	0340-0440	14	--	79	80	--	40' balloon trawl
2963	28° 55'	93° 26'	10-6-60	0555-0655	11	M.S.Sb.	78	81	--	40' balloon trawl
2964	29° 03'	93° 26'	10-6-60	0805-0905	10	M.S.Sb.	79	81	--	40' balloon trawl
2965	29° 09'	93° 38'	10-6-60	1015-1115	9	M.S.Sb.	77	81	--	40' balloon trawl
2966	29° 12'	93° 46'	10-6-60	1230-1330	7	--	78	81	--	40' balloon trawl
2967	29° 20'	93° 56'	10-6-60	1445-1545	7	--	78	81	--	40' balloon trawl
2968	29° 33'	94° 12'	10-6-60	1645-1755	8	--	78	81	--	40' balloon trawl
2969	29° 33'	94° 12'	10-6-60	1830-2030	42	S.Sb.	79	80	--	71' balloon trawl
2970	29° 30'	94° 21'	10-6-60	2045-2300	5	M.S.Sb.	79	80	--	71' balloon trawl
2971	29° 27'	94° 30'	10-7-60	0620-0820	5-3	M.S.Sb.	69	79	--	71' balloon trawl
2972	29° 34'	94° 20'	10-7-60	0835-1035	5	M.S.Sb.	71	79	--	71' balloon trawl
2973	29° 35'	94° 09'	10-7-60	1105-1235	5-4	--	84	80	--	71' balloon trawl
2974	29° 36'	94° 02'	10-7-60	1250-1450	5	--	82	80	--	71' balloon trawl
2975	29° 31'	94° 07'	10-7-60	1640-1830	6	M.S.Sb.	72	80	--	71' balloon trawl
2976	29° 31'	94° 07'	10-7-60	2130-2235	8	M.Sb.	78	79.5	--	71' balloon trawl
2977	29° 33'	94° 46'	10-7/8-60	2245-0013	9	M.Sb.	78	79.5	--	71' balloon trawl
2978	29° 03'	94° 47'	10-8-60	0135-0235	10	--	77	79	--	71' balloon trawl
2979	28° 45'	94° 47'	10-8-60	0350-0450	13-14	--	74	79	--	40' balloon trawl
2980	28° 32'	94° 48'	10-8-60	0625-0725	18	M.Sb.	78	80	--	40' balloon trawl
2981	28° 18'	94° 47'	10-8-60	0850-0950	25	M.S.Sb.	79	81	--	40' balloon trawl
2982	28° 02'	94° 48'	10-8-60	1115-1215	41	M.S.Sb.	80	81	--	40' balloon trawl
2983	28° 05'	94° 54'	10-9-60	1345-1445	34	--	83	82	--	40' balloon trawl
2984	28° 14'	95° 07'	10-8-60	1605-1705	24	--	84	82	--	40' balloon trawl
2985	28° 22'	95° 11'	10-8-60	1755-1915	18	M.Sb.	81	81	--	40' balloon trawl
2986	28° 25'	95° 19'	10-8-60	1930-2125	16	M.Sb.	81	81	--	71' balloon trawl
2987	28° 28'	95° 26'	10-8-60	2145-2345	14	M.Sb.	80	81	--	71' balloon trawl
2988	28° 33'	95° 34'	10-9-60	0030-0130	10-11	--	80	81	--	71' balloon trawl
2989	28° 34'	95° 44'	10-9-60	0220-0320	9-10	--	79	81	--	71' balloon trawl
2990	28° 34'	95° 54'	10-9-60	0410-0515	7	--	79	81	--	71' balloon trawl
2991	28° 32'	96° 02'	10-9-60	0535-0645	6	gy.S.	79	81	--	71' balloon trawl
2992	28° 23'	96° 18'	10-9-60	0830-0935	8	hrd.S.	81	81	--	71' balloon trawl
2993	28° 14'	96° 29'	10-9-60	1100-1200	6	gy.S.	82	81	--	71' balloon trawl
2994	28° 08'	96° 39'	10-9-60	1315-1415	6	--	84	81	--	71' balloon trawl
2995	28° 02'	96° 50'	10-9-60	1530-1630	6	--	84	81	--	71' balloon trawl
2996	27° 48'	97° 00.5'	10-9-60	1815-1915	6	hrd.S.	81	81.5	--	71' balloon trawl
2997	27° 40'	96° 54'	10-9-60	2035-2200	14	M.	80	81	--	71' balloon trawl
2998	27° 35'	96° 48'	10-9-60	2240-2345	20	M.	80	81	--	71' balloon trawl
2999	27° 30'	96° 45'	10-10-60	0030-0145	26-32	--	80	81	--	71' balloon trawl
3000	27° 23'	96° 38'	10-10-60	0340-0440	40-44	--	80	81	--	40' balloon trawl
3001	27° 16'	96° 36'	10-10-60	0545-0700	45	M.	80	81	--	40' balloon trawl
3002	27° 09'	96° 46'	10-10-60	0820-0940	36	M.	81	81	--	40' balloon trawl
3003	27° 04'	96° 57'	10-10-60	1055-1155	24	M.	81	81	--	65' flat trawl
3004	27° 01'	97° 05'	10-10-60	1255-1355	15-18	--	84	81	--	65' flat trawl
3005	26° 52'	97° 17'	10-10-60	1445-1555	8-10	--	86	81	--	65' flat trawl
3006	26° 48'	97° 18'	10-10-60	1620-1750	5-8	S.Sb.	82	82	--	65' flat trawl
3007	26° 41'	97° 11'	10-10-60	1825-1925	10	S.Sb.	82	82	--	65' flat trawl
3008	26° 43'	97° 06'	10-10-60	2020-2150	17	S.Sb.	82	82	--	71' balloon trawl
3009	26° 41'	96° 50'	10-10/11-60	2300-2400	22	M.S.Sb.	81	82	--	71' balloon trawl
3010	26° 36'	96° 55'	10-11-60	0205-0335	30-34	--	79	81	--	40' balloon trawl
3011	26° 34'	96° 37'	10-11-60	0440-0550	40-44	M.S.Sb.	79	81	--	40' balloon trawl
3012	26° 32'	96° 28'	10-11-60	0725-0820	56	M.S.	81	81.5	--	40' balloon trawl
3013	26° 30'	96° 33'	10-11-60	0930-1055	36-35	M.	82	81	--	71' balloon trawl
3014	26° 25'	96° 36'	10-11-60	1135-1250	32	M.S.	82	81	--	71' balloon trawl
3015	26° 29'	96° 38'	10-11-60	1315-1415	32	--	85	81	--	71' balloon trawl
3016	26° 28'	96° 42'	10-11-60	1530-1630	25	--	84	81	--	71' balloon trawl
3017	26° 19'	96° 50'	10-11-60	1800-1915	22	M.S.	84	82	--	71' balloon trawl
3018	26° 14'	96° 48'	10-11-60	1930-2130	24	M.S.	83	82	--	71' balloon trawl
3019	26° 06'	96° 41'	10-11-60	2220-2350	26-29	M.S.Sb.	82	81	--	71' balloon trawl
3020	26° 05'	96° 34'	10-12-60	0015-0145	30	--	80	81	--	71' balloon trawl
3021	26° 08'	96° 50'	10-12-60	0325-0510	22	--	79	81	--	71' balloon trawl
3022	26° 18'	96° 56'	10-12-60	0530-0700	21	M.S.	81	81.5	--	71' balloon trawl
3023	26° 26'	96° 55'	10-12-60	0715-0900	20-21	M.Cl.	81	81.5	--	71' balloon trawl
3024	26° 35'	96° 56'	10-12-60	0915-1045	21-18	M.S.Sb.	82	81.5	--	71' balloon trawl
3025	26° 33'	97° 02.5'	10-12-60	1100-1230	18-11	--	86	81	--	71' balloon trawl
3026	26° 33'	97° 09'	10-12-60	1355-1425	11-8	--	86	81	--	71' balloon trawl
3027	26° 28'	97° 11'	10-12-60	1445-1615	8-5	--	88	81	--	71' balloon trawl
3028	26° 21'	97° 10'	10-12-60	1650-1820	5	S.	89	81	--	71' balloon trawl
3029	26° 16'	97° 08'	10-12-60	1925-2040	9	S.	84	81	--	71' balloon trawl
3030	26° 17'	97° 03.5'	10-12-60	2055-2225	11	M.Sb.	82	81	--	71' balloon trawl
3031	26° 21'	96° 57.5'	10-12/13-60	2845-0035	19	M.S.Sb.	81	82	--	65' flat trawl
3032	26° 17'	96° 59'	10-13-60	0155-0325	15	--	79	81	--	71' balloon trawl
3033	26° 06'	97° 02'	10-13-60	0420-0550	13	--	80	81	--	71' balloon trawl
3034	26° 01.5'	97° 05.5'	10-13-60	0630-0755	9	Co.M.S.	82	82	--	71' balloon trawl
3035	25° 59'	97° 07.5'	10-13-60	0830-0930	5-7	S.W.Sb.	83	82	--	40' balloon trawl
3036	25° 58'	97° 02.5'	10-13-60	1015-1115	13-14	Co.M.Sb.	83	82	--	40' balloon trawl
3037	25° 56'	96° 58'	10-13-60	1140-1310	16	Co.M.Sb.	83	82	--	40' balloon trawl
3038	25° 55'	96° 50'	10-13-60	1555-1525	22-26	--	84	82	--	40' balloon trawl
3039	25° 52'	96° 45'	10-13-60	1545-1645	26	--	84	82	--	40' balloon trawl
3040	25° 52'	96° 40'	10-13-60	1730-1900	29	M.Sb.	82	82.5	--	71' balloon trawl
3041	25° 56.5'	96° 29'	10-13-60	2010-2200	40	M.S.Sb.	82	82.5	--	71' balloon trawl
3042	26° 06'	96° 25.5'	10-13/14-60	2230-0000	38	M.S.Sb.	82	82	--	71' balloon trawl
3043	26° 10.5'	96° 32'	10-14-60	0035-0235	28-26	--	82	82	--	71' balloon trawl
3044	26° 14'	96° 38'	10-14-60	0305-0425	26	--	82	82	--	40' balloon trawl
3045	26° 55'	96° 40.5'	10-17-60	2235-2335	45-47	M.	80	82	--	71' balloon trawl
3046	27° 50'	96° 33'	10-17-60	0630-0800	20	M.	79	81	--	71' balloon trawl
3047	27° 42'	97° 01'	10-21-60	0940-1040	10	M.	69	78	--	71' balloon trawl
3048	27° 35'	97° 06'	10-21-60	1130-1230	10	M.	69	78	--	71' balloon trawl
3049	27° 24'	97° 15'	10-21-60	1330-1430	6	--	69	77	--	71' balloon trawl
3050	27° 20'	97° 18'	10-21-60	1450-1550	6	--	69	77	--	71' balloon trawl
3051	27° 18.5'	97° 10'	10-21-60	1705-1805	13	--	68	77	--	71' balloon trawl
3052	27° 17.5'	96° 58.5'	10-21-60	1900-2015	20	M.	73	79.5	--	71' balloon trawl
3053	27° 18'	96° 48'	10-21-60	2120-2325	30	M.	72	79	--	71' balloon trawl
3054	27° 45'	96° 35'	10-22-60	0215-0315	22	--	75	78	--	71' balloon trawl
3055	27° 44'	96° 24'	10-22-60	0505-0605	32	--	74	78	--	71' balloon trawl



Table 1.--H/V Oregon station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		° F.	° F.	° F.	
3056	27° 28'	96° 12.5'	10-22-60	0900-0920	50-40	M.Co.	74	81	--	71' balloon trawl
3057	27° 53'	96° 37'	10-22-60	1315-1415	15	--	75	78	--	71' balloon trawl
3058	28° 00'	96° 43'	10-22-60	1535-1635	10	--	78	77	--	71' balloon trawl
3059	28° 22'	94° 37'	10-23-60	0845-0945	5-4	M.Sh.S.	83	74	--	71' balloon trawl
3060	28° 34'	94° 15'	10-23-60	1215-1415	4	--	78	75	--	71' balloon trawl
3061	28° 34'	93° 54'	10-23-60	1610-1710	6	--	76	75	--	71' balloon trawl
3062	28° 32'	93° 42'	10-23-60	1810-1910	7	M.S.Sh.	74	75	--	71' balloon trawl
3063	28° 33'	93° 30'	10-23-60	2000-2100	7	gy.M.	74	75	--	71' balloon trawl
3064	28° 34'	93° 20'	10-23-60	2200-2300	6½	M.S.Sh.	73	75	--	71' balloon trawl
3065	28° 25'	93° 07'	10-24-60	0020-0120	8	--	74	76	--	71' balloon trawl
3066	28° 12'	92° 56'	10-24-60	0315-0345	10	--	75	76	--	71' balloon trawl
3067	28° 03'	92° 48'	10-24-60	0500-0540	13	--	75	77	--	71' balloon trawl
3068	28° 53'	92° 41'	10-24-60	0645-0750	15	gy.M.Sh.	75	77	--	71' balloon trawl
3069	28° 40.5'	92° 34'	10-24-60	0900-1000	19-20	gy.M.	78	77.5	--	71' balloon trawl
3070	28° 34'	92° 20'	10-24-60	1125-1240	25	gy.M.S.	78	78	--	71' balloon trawl
3071	28° 24'	92° 00'	10-24-60	1430-1545	32	--	76	78	--	71' balloon trawl
3072	28° 11'	91° 58'	10-24-60	1740-1840	40	--	75	78	--	71' balloon trawl
3073	28° 22'	91° 37'	10-24-60	2115-2220	34	M.	75	79	--	40' balloon trawl
3074	28° 31'	91° 39'	10-24/25-60	2345-0045	24	M.	75	79	--	60' balloon trawl
3075	28° 31'	91° 32'	10-25-60	0105-0205	23	--	75	79	--	60' balloon trawl
3076	28° 30'	91° 23'	10-25-60	0230-0330	23	--	76	80	--	60' balloon trawl
3077	28° 29'	91° 15'	10-25-60	0350-0450	22	--	76	80	--	60' balloon trawl
3078	28° 28'	91° 12'	10-25-60	0535-0640	22	--	76	80	--	71' balloon trawl
3079	28° 31'	91° 11'	10-25-60	0710-0825	20	M.	76	79	--	60' balloon trawl
3080	28° 33.5'	91° 04'	10-25-60	0935-1100	14	M.	76	78	--	71' balloon trawl
3081	28° 37'	90° 48'	10-25-60	1220-1320	10	--	76	79	--	60' balloon trawl
3082	28° 37'	90° 34.5'	10-25-60	1445-1545	12-15	--	76	79	--	71' balloon trawl
3083	28° 36'	90° 27'	10-25-60	1605-1705	16	--	76	79	--	71' balloon trawl
3084	28° 36'	90° 23'	10-25-60	1725-1830	17	--	76	79	--	71' balloon trawl
3085	28° 44'	90° 13'	10-25-60	1845-1955	20	--	76	79	--	71' balloon trawl
3086	28° 38.5'	90° 11'	10-25-60	2030-2200	22	M.S.	76	79	--	60' balloon trawl
3087	28° 36'	90° 19'	10-25-60	2240-2350	22	M.S.	75	79	--	60' balloon trawl
3088	28° 35'	90° 12'	10-26-60	0110-0120	26	--	76	79	--	71' balloon trawl
3089	28° 33'	90° 06'	10-26-60	0305-0415	34-41	--	76	79	--	71' balloon trawl
3090	28° 21'	90° 04'	10-26-60	0500-0515	50	--	76	79	--	71' balloon trawl
3091	28° 42'	90° 02'	10-26-60	0915-1015	25	M.	77	79	--	71' balloon trawl
3092	28° 49'	90° 03'	10-26-60	1130-1230	20	M.	77	79	--	71' balloon trawl
3093	29° 00'	89° 52'	10-26-60	1405-1510	16	--	76	77	--	71' balloon trawl
3094	29° 09'	89° 49'	10-26-60	--	10	--	75	77	--	60' balloon trawl
3095	29° 12'	89° 46'	10-26-60	1745-1820	6	--	75	79	--	60' balloon trawl
3096	29° 06'	89° 41'	10-26-60	1940-2025	13	M.	76	76	--	71' balloon trawl
3097	29° 02.5'	89° 39'	10-26-60	2045-2145	16	M.	76	76	--	71' balloon trawl
3098	29° 00'	89° 35'	10-26-60	2200-2300	22	M.	76	77	--	71' balloon trawl
3099	29° 57'	89° 32.5'	10-26/27-60	2320-0050	26	M.	76	76	--	71' balloon trawl
3100	29° 00'	89° 42'	10-27-60	0130-0230	23	--	76	76	--	71' balloon trawl
3101	29° 00'	89° 55'	10-27-60	0340-0410	16	--	76	76	--	71' balloon trawl
3102	28° 58'	88° 18'	10-27-60	1815-0000	545-445	gy.M.	77	78	--	60' midwater trawl
3103	30° 09.5'	88° 42'	11-18-60	1410-1510	7½	bu.M.S.	66	66.5	--	71' balloon trawl
3104	30° 02'	88° 38'	11-18-60	1710-1810	11	M.S.Sh.	66	67	--	71' balloon trawl
3105	29° 55'	88° 28'	11-18-60	1935-2040	16	--	67	70	--	71' balloon trawl
3106	29° 44'	88° 26'	11-18-60	2150-2320	21	--	68	74	--	71' balloon trawl
3107	29° 34'	88° 25'	11-19-60	0015-0145	26	gy.S.Sh.	67	74.5	--	71' balloon trawl
3108	29° 31'	88° 37'	11-19-60	0240-0420	19	M.S.	67	73.5	--	71' balloon trawl
3109	29° 26.5'	88° 45'	11-19-60	0445-0615	16	gy.M.S.	67	73	--	71' balloon trawl
3110	29° 22.5'	88° 51'	11-19-60	0635-0805	14	--	69	73	--	71' balloon trawl
3111	29° 55'	88° 57'	11-19-60	0855-1025	8	--	67	73	--	71' balloon trawl
3112	29° 29'	88° 52'	11-19-60	1110-1240	8	--	68	73	--	71' balloon trawl
3113	29° 27'	88° 36'	11-19-60	1535-1700	26	gy.M.	81	73.5	--	71' balloon trawl
3114	29° 21'	88° 39'	11-19-60	1745-1845	32	--	67	73	--	71' balloon trawl
3115	29° 15'	88° 44'	11-19-60	1935-2050	37	--	68	76	--	71' balloon trawl
3116	29° 11.5'	88° 39'	11-19-60	2200-0000	41	--	76	71	67	71' balloon trawl
3117	29° 16'	88° 26'	11-20-60	0235-0405	40	M.S.	71	75	--	71' balloon trawl
3118	29° 19'	88° 15'	11-20-60	0715-0815	35	--	72	76	--	71' balloon trawl
3119	29° 25'	88° 13'	11-20-60	0915-1015	30	--	74	74	--	71' balloon trawl
3120	29° 29'	88° 10'	11-20-60	1115-1245	25	--	74	74	--	71' balloon trawl
3121	29° 34'	88° 15'	11-20-60	1325-1425	22	--	74	74	--	71' balloon trawl
3122	29° 39'	88° 11'	11-20-60	1505-1605	21	gy.S.	71	74	--	71' balloon trawl
3123	29° 48'	88° 15'	11-20-60	1705-1805	20	--	71	74	--	71' balloon trawl
3124	29° 55'	88° 11'	11-20-60	1905-2005	17	--	71	72	--	71' balloon trawl
3125	29° 58'	88° 05'	11-20-60	2050-2220	15	--	74	71	--	71' balloon trawl
3126	30° 00'	87° 59'	11-20-60	2305-0015	13	--	69	70	--	71' balloon trawl
3127	29° 56'	87° 51'	11-21-60	0105-0220	18	--	69	70	--	71' balloon trawl
3128	29° 48'	87° 45'	11-21-60	0315-0430	21-23	--	69	72.5	--	71' balloon trawl
3129	29° 39'	87° 40'	11-21-60	0520-0635	20	--	69	72.5	--	71' balloon trawl
3130	29° 35'	87° 35'	11-21-60	0715-0740	30	--	72	72	--	71' balloon trawl
3131	29° 29'	87° 46'	11-21-60	0955-1055	35	--	75	73	--	71' balloon trawl
3132	29° 24'	87° 38'	11-21-60	1320-1420	60-70	--	74	74	--	71' balloon trawl
3133	29° 35.5'	87° 22.5'	11-21-60	1735-1835	44	--	71	74.5	--	71' balloon trawl
3134	29° 43'	87° 24'	11-21-60	2040-2155	32	--	71	74	--	71' balloon trawl
3135	29° 51'	87° 24'	11-21-60	2350-0050	18	--	71	76	--	71' balloon trawl
3136	29° 58'	87° 28'	11-22-60	0210-0315	18	gy.S.Sh.	71	73.5	--	71' balloon trawl
3137	30° 04'	87° 31'	11-22-60	0405-0505	15	S.Sh.	71	71	--	71' balloon trawl
3138	30° 08.5'	87° 28'	11-22-60	0550-0650	15	--	71	71	--	71' balloon trawl
3139	30° 13'	87° 30'	11-22-60	0745-0845	8	--	72	69	--	71' balloon trawl
3140	30° 13'	87° 35'	11-22-60	0855-0955	4	--	72	69	--	71' balloon trawl
3141	30° 14'	87° 39'	11-22-60	1010-1110	5	--	72	69	--	71' balloon trawl
3142	30° 13'	87° 44'	11-22-60	1125-1225	5	--	72	69	--	71' balloon trawl
3143	30° 06'	87° 53'	11-22-60	1405-1505	8-10	--	74	70.5	--	71' balloon trawl
3144	30° 09.5'	88° 10'	11-22-60	1645-1745	10	--	71	69	--	71' balloon trawl
3145	30° 13'	88° 13'	11-22-60	1805-1905	7	--	71	69	--	71' balloon trawl
3146	29° 59'	88° 16'	11-22-60	2220-2330	16	--	74	69	--	71' balloon trawl
3147	30° 13.5'	88° 13'	11-23-60	0515-0630	7	--	69	68.5	--	71' balloon trawl
3148	30° 08'	88° 13'	11-23-60	0645-0815	7	--	69	67	--	71' balloon trawl
3149	30° 14'	88° 10'	11-23-60	0830-0930	5	--	70	67	--	71' balloon trawl
3150	30° 14'	88° 14'	11-23-60	0945-1100	5	--	70	67	--	71' balloon trawl
3151	30° 12.5'	88° 11'	11-23-60	1520-1700	7-8	--	77	69	--	71' balloon trawl
3152	30° 12'	88° 11'	11-23-60	1720-1920	7	--	77	70	--	71' balloon trawl
3153	30° 13'	88° 14'	11-29-60	1335-1505	7	--	63	69	--	60/80' balloon trawl
3154	30° 12'	88° 08'	11-29-60	1525-1655	7	--	61	69	--	60/80' balloon trawl
3155	30° 12'	88° 07'	11-29-60	1710-1840	7	--	60	69	--	60/80' balloon trawl
3156	30° 13'	88° 08'	11-30-60	0905-1030	7	--	44	68	--	70/84' balloon trawl

Table 1.--M/V Oregon station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					<u>Fathoms</u>		<u>° F.</u>	<u>° F.</u>	<u>° F.</u>	
3157	30° 13'	88° 13.5'	11-30-60	--	6½-8	--	50	68	--	60' balloon trawl
3158	30° 12.5'	88° 12.5'	12-1-60	0625-0755	7½-8	--	41	66	--	60' balloon trawl
3159	30° 12.5'	88° 12.5'	12-1-60	0810-0940	8	--	41	66	--	60' balloon trawl
3160	30° 12'	88° 12'	12-1-60	1000-1140	8	--	44	66	--	70/84' balloon trawl
3161	30° 12'	88° 12'	12-1-60	1150-1320	7-8	--	45	66	--	60/80' balloon trawl
3162	30° 13'	88° 13'	12-2-60	0800-1000	4-7	--	41	62	--	70' balloon trawl
3163	30° 11'	88° 07'	12-2-60	1015-1215	7	--	44	62	--	70/84' balloon trawl
3164	30° 12'	88° 12'	12-2-60	1240-1440	6	--	46	62	--	60/80' balloon trawl
3165	30° 12'	88° 07'	12-2-60	1455-1655	6	--	46	62	--	60/80' balloon trawl
3166	29° 18'	87° 50'	12-3-60	0720-0850	100	--	64	74	--	60/80' balloon trawl
3167	29° 16'	87° 56'	12-3-60	0930-1100	115-95	--	64	74	--	60/80' balloon trawl
3168	29° 16'	87° 52'	12-3-60	1200-1330	150	--	66	74	--	60/80' balloon trawl
3169	29° 13'	87° 57'	12-3-60	1520-1745	225	--	68	74	--	70' balloon trawl
3170	29° 11'	88° 05'	12-3-60	1915-2045	225	--	64	74	--	70/84' balloon trawl
3171	29° 13'	88° 57'	12-3-60	2140-2310	225	--	64	74	--	70/84' balloon trawl
3172	29° 14'	87° 50'	12-4-60	0010-0310	225	--	64	74	--	70/84' balloon trawl
3173	29° 20'	87° 40'	12-4-60	0435-0610	110-90	--	64	74	--	70/84' balloon trawl
3174	29° 23'	88° 06'	12-4-60	0925-1025	40	--	70	75	--	60/80' balloon trawl

Table 2.--M/V Combat station list

M/V COMBAT STATION LIST

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					<u>Fathoms</u>		<u>° F.</u>	<u>° F.</u>	<u>° F.</u>	
1	29 17'	80 04'	7-27-56	0727-1130	200-205	M.	--	85	--	40' flat trawl
2	29 36'	80 11'	7-27-56	1241-1640	210-215	--	92	85	--	40' flat trawl
3	29 48'	80 15'	7-27-56	1818-2118	200	M.	80	82	--	40' flat trawl
4	29 43'	80 12'	7-27-56	2219-0400	200	M.	--	82	--	40' flat trawl
5	--	--	7-28-56	--	--	--	--	--	--	40' flat trawl
6	29 47'	80 13'	7-28-56	--	190-200	M.	78	80	--	100' flat trawl
7	29 47'	80 12'	7-28-56	1523-1725	200-250	M.	93	85	--	90' balloon trawl
8	29 56'	80 13'	7-28-56	--	200	--	--	--	--	90' balloon trawl
9	29 46'	80 12'	7-29-56	2400-0425	200	--	80	82	--	80' balloon trawl
10	29 38'	80 11'	7-29-56	0514-0647	175	--	80	82	--	80' balloon trawl
11	29 49'	80 1'	7-29-56	0824-1224	200	M.	90	83	53	80' balloon trawl
12	29 57.5'	80 11'	7-30-56	0917-1220	180	--	90	83	47.5	40' balloon trawl
13	29 55'	80 12'	7-30-56	1358-1657	190	--	92	83	49	40' balloon trawl
14	29 54'	80 12'	7-30-56	--	175-800	M.	--	--	--	40' balloon trawl
15	29 54'	80 08'	7-31-56	2200-0100	190	--	--	--	--	40' balloon trawl
16	29 55'	80 10'	7-31-56	1055-1400	197	--	91	85	--	40' flat trawl
17	29 47'	80 10'	7-31-56	1610-1640	200	M.	92	85	--	40' flat trawl
18	29 53'	80 09'	8-6-56	2020-2320	175	--	78	--	--	40' flat trawl
19	29 40'	80 11'	8-7-56	2418-0415	175	bu. M.	70	--	--	40' flat trawl
20	29 26'	80 08'	8-7-56	0515-0815	195-200	M.	--	--	--	40' flat trawl
21	29 39'	80 12'	8-7-56	0910-1210	175	M.	78	--	--	40' flat trawl
22	29 48'	80 11'	8-7-56	1300-1600	185	M.	89	81	--	40' flat trawl
23	29 55'	80 12'	8-7-56	1705-2005	185-95	M.	89	81	--	40' flat trawl
24	29 47'	80 12'	8-7-56	2055-2400	185-95	--	--	--	--	40' flat trawl
25	29 55'	80 11'	8-8-56	0105-0500	185-95	M.	--	--	--	40' flat trawl
26	29 42'	80 11'	8-8-56	0555-1000	185-95	M.	81	81	--	40' flat trawl
27	29 55'	80 12'	8-8-56	1045-1445	185-95	M.	81	81	--	40' flat trawl
28	29 47'	80 12'	8-8-56	1537-1900	185-95	M.	80	81	--	40' flat trawl
29	29 55'	80 12'	8-8-56	2008-0005	170-75	M.	81	82	--	40' flat trawl
30	29 45'	80 12'	8-9-56	--	185	M.	80	82	--	40' flat trawl
31	29 40'	80 12'	8-9-56	0614-0945	205-210	M.	80	81	--	40' flat trawl
32	29 57'	80 10'	8-9-56	1045-1350	200-205	M.	--	--	--	40' flat trawl
33	29 56'	80 11'	8-9-56	--	200	M.	84	82	--	40' flat trawl
34	29 56'	80 11'	8-9-56	2033-2435	200	M.	80	83	--	40' flat trawl
35	29 55'	80 11'	8-10-56	0204-0605	200	M.	78	83	--	40' flat trawl
36	29 56'	80 11'	8-10-56	0742-1150	210	M.	80	83	--	40' flat trawl
37	29 44'	80 12'	8-10-56	1242-1645	210	M.	95	83	--	40' flat trawl
38	29 57'	80 11'	8-10-56	1740-2145	210-25	M.	83	85	--	40' flat trawl
39	29 50'	80 12'	8-10-56	2230-0030	200	M.	80	83	--	40' flat trawl
40	29 56'	80 11'	8-16-56	1920-2320	200	M.	80	--	--	100' flat trawl
41	29 50'	80 12'	8-17-56	0010-0300	200	M.	--	83	--	100' flat trawl
42	29 53'	80 10'	8-17-56	0305-0605	200	M.	--	--	--	100' flat trawl
43	29 58'	80 11'	8-17-56	0744-1145	200	M.	--	--	--	56' flat trawl
44	29 53'	80 11'	8-17-56	1130-1537	190	M.	88	--	--	56' flat trawl
45	29 46'	80 11'	8-17-56	1648-1948	180	M.	80	83	--	56' flat trawl
46	29 57'	80 11'	8-18-56	0840-1145	175	M.	84	83	--	56' flat trawl
47	29 50'	80 11'	8-18-56	--	185	M.	85	83	--	56' flat trawl
48	29 44'	80 12'	8-18-56	1900-2305	175	M.	80	84	--	56' flat trawl
49	29 58'	80 09'	8-19-56	0015-0405	185	M.	84	78	--	56' flat trawl
50	29 47'	80 11'	8-19-56	0455-0725	185	M.	80	83	--	56' flat trawl
51	29 44'	80 12'	8-19-56	0815-1210	185	M.	80	83	--	56' flat trawl
52	29 58'	80 09'	8-19-56	1443-1840	190	M.	90	83	--	40' flat trawl
53	29 50'	80 11'	8-19-56	1930-2325	185	M.	82	83	--	40' flat trawl
54	29 42'	80 10'	8-20-56	2420-0325	180	M.	80	83	--	40' flat trawl
55	29 58'	80 10'	8-20-56	--	180	M.	80	83	--	40' flat trawl
56	29 53'	80 10'	8-20-56	0928-1435	--	M.	82	83	--	40' flat trawl
57	29 49'	80 12'	8-20-56	1048-1355	180	M.	83	85	--	40' flat trawl
58	30 00'	80 10'	8-20-56	1750-2125	170	M.	83	85	--	40' flat trawl
59	30 00'	80 10'	8-20-56	1652-2040	170	M.	83	85	--	40' flat trawl
60	29 56'	80 09'	8-21-56	0905-1310	185-90	M.	84	84	--	40' flat trawl
61	29 47'	80 11'	8-21-56	1355-1732	190	M.	82	83	--	40' flat trawl
62	29 40'	80 11'	8-21-56	1820-1945	170	M.	78	83	--	40' flat trawl
63	30 24'	81 10'	8-22-56	0915-1015	13	--	84	78	--	40' flat trawl
64	30 20'	81 06'	8-22-56	1112-1215	13	--	83	78	--	40' flat trawl
65	30 16'	80 00'	8-22-56	1309-1410	16	--	80	78	--	40' flat trawl
66	30 17'	80 57'	8-30-56	--	124	S.Sh.	--	--	--	40' flat trawl
67	30 15'	80 52'	8-30-56	1913-1944	13	S.Sh.	82	--	--	40' flat trawl
68	30 17'	80 41'	8-30-56	--	16	S.Sh.	81	--	--	40' flat trawl
69	30 20'	80 28'	8-31-56	0003-0033	18	--	--	--	--	40' flat trawl
70	30 16'	80 21'	8-31-56	0211-0240	22	--	--	--	--	40' flat trawl
71	30 15'	80 19'	8-31-56	0355-0600	22	--	81	--	--	80' balloon trawl
72	30 11'	80 17'	8-31-56	0709-0740	32	--	--	--	--	40' flat trawl
73	30 11'	80 17'	8-31-56	0822-0857	45	--	--	--	--	40' flat trawl
74	30 10'	80 14'	8-31-56	--	50-52	S.Sh.	--	84	82	40' flat trawl
75	30 07'	80 14'	8-31-56	1050-1205	65	S.Sh.	84	86	--	40' flat trawl
76	--	--	8-31-56	1224-1330	85	S.Sh.	86	84	--	40' flat trawl
77	30 03'	80 15'	8-31-56	1356-1458	80	S.Sh.	91	--	--	40' flat trawl
78	30 01'	80 14'	8-31-56	1548-1720	100	S.Sh.	88	84	--	40' flat trawl
79	30 00'	80 14'	9-1-56	0805-0933	110	--	80	80	--	40' flat trawl
80	29 57'	80 13'	9-1-56	1022-1252	120	--	--	--	--	40' flat trawl
81	29 51'	80 14'	9-1-56	1422-1553	80	--	--	--	--	10' beam trawl
82	29 48'	80 12'	9-1-56	1640-1844	130	--	87	--	--	10' beam trawl
83	29 57'	80 10'	9-1-56	2127-0322	190	--	--	--	--	10' beam trawl
84	29 56'	80 10'	9-1-56	2143-0245	190	--	--	--	--	40' flat trawl
85	29 55'	80 12'	9-2-56	0542-1130	170	gn. S.	84	--	--	10' beam trawl
86	29 55'	80 12'	9-2-56	--	170	--	84	--	--	40' flat trawl
87	29 35'	80 11'	9-2-56	1318-1618	170	gn. M.	86	--	--	40' flat trawl
88	29 09'	80 12'	9-3-56	0758-0809	35	--	90	--	--	10' beam trawl
89	28 54'	80 09'	9-3-56	1050-1126	45	Co.	88	--	--	10' beam trawl
90	28 52'	80 05'	9-3-56	1252-1351	65	--	82	--	--	10' beam trawl
91	28 50'	80 04'	9-3-56	1420-1620	80	--	81	--	--	10' beam trawl
92	28 47'	80 00'	9-3-56	--	100	gn. M.	80	--	--	10' beam trawl
93	28 43'	80 05'	9-3-56	2016-2040	40	--	--	--	--	10' beam trawl
94	28 47'	80 08'	9-3-56	2319-2355	30	Sh.	--	--	--	40' flat trawl
95	28 45'	80 10'	9-4-56	0020-0120	25	--	--	--	--	40' flat trawl
96	28 58'	80 07'	9-4-56	0247-0347	46	--	--	--	--	40' flat trawl
97	29 06'	80 16'	9-4-56	0540-0642	30	--	78	--	--	40' flat trawl
98	29 40'	80 17'	9-4-56	1738-1837	40	--	78	--	--	40' flat trawl
99	29 38'	80 15'	9-4-56	--	44	Co.	78	84	--	40' flat trawl



Table 2.--M/V Combat station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		° F.	° F.	° F.	
100	29 43'	80 19'	9-4-56	--	23	--	--	--	--	40' flat trawl
101	29 48'	80 23'	9-4-56	2310-0010	23	--	--	--	--	40' flat trawl
102	29 57'	80 12'	9-13-56	2320-0417	175-185	--	--	--	--	40' flat trawl
103	29 57'	80 12'	9-13-56	2327-0335	175-185	--	--	--	--	40' flat trawl
104	29 48'	80 12'	9-14-56	0530-1120	185	gn. M.	--	--	--	40' flat trawl
105	29 48'	80 12'	9-14-56	0543-0946	185	gn. M.	--	--	--	40' flat trawl
106	29 42'	80 11'	9-14-56	1230-1315	180	gn. M.	--	--	--	40' flat trawl
107	29 43'	80 12'	9-14-56	1506-1835	200	gn. M.	--	--	--	40' flat trawl
108	29 58'	80 10'	9-14-56	1928-0047	185	gn. M.	--	--	--	40' flat trawl
109	29 58'	80 10'	9-14-56	1947-0000	185	gn. M.	78	--	--	40' flat trawl
110	29 57'	80 11'	9-15-56	0300-0700	185-195	M.	--	--	--	40' flat trawl
111	29 44'	80 11'	9-15-56	0748-1205	200	gn. M.	--	--	--	40' flat trawl
112	29 33'	80 10'	9-15-56	1248-1703	180	gn. M.	--	--	--	40' flat trawl
113	29 48'	80 12'	9-15-56	1750-2053	180	gn. M.	--	--	--	40' flat trawl
114	29 59'	80 10'	9-16-56	2225-0200	185	M.	--	--	--	56' flat trawl
115	29 57'	80 11'	9-16-56	0315-0706	180	M.	--	--	--	56' flat trawl
116	29 55'	80 12'	9-16-56	1015-1415	180	bu. M.	--	--	--	56' flat trawl
117	29 47'	80 13'	9-16-56	1510-1805	175	M.	89	80	--	56' flat trawl
118	29 58'	80 11'	9-16-56	1925-2230	185	gn. M.	--	--	--	40' flat trawl
119	29 52'	80 11'	9-16-56	2317-0225	180	gn. M.	--	--	--	40' flat trawl
120	29 44'	80 13'	9-17-56	0331-0705	180	gn. M.	--	--	--	40' flat trawl
121	29 57'	80 11'	9-17-56	0830-1210	175	M.	--	--	--	40' flat trawl
122	29 46'	80 12'	9-17-56	1305-1535	175-185	M.	--	--	--	40' flat trawl
123	29 55'	80 12'	9-17-56	1635-1940	175	--	--	--	--	40' flat trawl
124	29 45'	80 12'	9-17-56	2037-2335	175	--	--	--	--	40' flat trawl
125	29 56'	80 12'	9-18-56	0026-0428	180	gn. M.	70	--	--	40' flat trawl
126	29 43'	80 13'	9-18-56	0523-0925	175	M.	78	--	--	40' flat trawl
127	29 30'	80 09'	9-18-56	1022-1522	210	M.	76	--	--	40' flat trawl
128	29 20'	80 05'	9-18-56	1615-2015	200	M.	--	--	--	40' flat trawl
129	29 10'	80 03'	9-18-56	2105-0110	200	M.	--	--	--	40' flat trawl
130	29 04'	79 59'	9-19-56	0215-0610	210-215	--	--	--	--	40' flat trawl
131	28 58'	79 57'	9-19-56	0710-1025	225	M.	78	--	--	40' flat trawl
132	28 53'	80 01'	9-19-56	1135-1335	150	M.	--	--	--	40' flat trawl
133	28 49'	79 56'	9-19-56	1432-1532	165	gy. M.	--	--	--	40' flat trawl
134	29 56'	80 10'	10-2-56	2300-0200	180-185	--	--	--	--	56' flat trawl
135	29 45'	80 13'	10-3-56	0258-0552	170	gn. M.	--	--	--	56' flat trawl
136	29 38'	80 10'	10-3-56	0645-1001	200	gn. M.	--	--	--	56' flat trawl
137	29 56'	80 09'	10-3-56	1135-1435	185	gn. M.	--	--	--	40' flat trawl
138	29 52'	80 12'	10-3-56	1617-1920	185	gn. M.	--	--	--	40' flat trawl
139	29 48'	80 12'	10-3-56	2030-2330	170	gn. M.	--	--	--	40' flat trawl
140	30-00	80 10'	10-4-56	0025-0438	180	gn. M.	--	--	--	40' flat trawl
141	29 56'	80 11'	10-18-56	2005-2258	180	--	--	--	--	40' flat trawl
142	29 47'	80 11'	10-18-56	2355-0312	200	gn. M.	--	--	--	40' flat trawl
143	29 39'	80 11'	10-19-56	0423-0745	220	gn. M.	--	--	--	40' flat trawl
144	29 54'	80 09'	10-19-56	0848-1150	210	--	--	--	--	40' flat trawl
145	29 43'	80 08'	10-19-56	1245-1555	230	--	--	--	--	40' flat trawl
146	29 35'	80 10'	10-19-56	1655-2000	210	--	--	--	--	40' flat trawl
147	29 78'	80 10'	10-19-56	2055-2400	210	--	--	--	--	40' flat trawl
148	29 23'	80 08'	10-20-56	0105-0407	185	--	--	--	--	40' flat trawl
149	29 22'	80 07'	10-20-56	0513-0305	185	--	--	--	--	40' flat trawl
150	29 22'	80 07'	10-20-56	0530-0830	185	--	--	--	--	40' flat trawl
151	29 16'	80 05'	10-20-56	0955-1300	185	gn. M.	--	--	--	40' flat trawl
152	29 31'	80 09'	10-20-56	1345-1800	185	gn. M.	--	--	--	40' flat trawl
153	29 31'	80 09'	10-20-56	1420-1725	185	gn. M.	--	--	--	40' flat trawl
154	29 30'	80 08'	10-20-56	1915-2312	185	--	--	--	--	40' flat trawl
155	29 30'	80 08'	10-20-56	1930-2235	180	--	--	--	--	40' flat trawl
156	29 22'	80 07'	10-21-56	0020-0420	--	gn. M.	--	--	--	40' flat trawl
157	29 20'	80 08'	10-21-56	--	185	gn. M.	--	--	--	40' flat trawl
158	30 42'	80 38'	10-31-56	1814-1910	18	S. Sh.	--	--	--	40' flat trawl
159	30 49'	80 29'	10-31-56	2009-2107	20	--	--	--	--	40' flat trawl
160	30 54'	80 15'	10-31-56	2230-2330	21	--	--	--	--	40' flat trawl
161	31 01'	80 02'	11-1-56	0115-0215	25	--	--	--	--	40' flat trawl
162	31 05'	79 56'	11-1-56	--	30	--	--	--	--	40' flat trawl
163	31 11'	79 55'	11-1-56	0504-0605	30	--	--	--	--	40' flat trawl
164	32 12'	79 07'	11-1-56	1408-1510	50	--	--	--	--	40' flat trawl
165	32 16'	79 05'	11-1-56	1548-1714	40	--	--	--	--	40' flat trawl
166	32 22'	79 06'	11-1-56	1812-1914	25	--	--	--	--	40' flat trawl
167	32 26'	79 03'	11-1-56	--	23	--	--	--	--	40' flat trawl
168	32 32'	78 58'	11-1-56	2133-2230	20	--	--	--	--	40' flat trawl
169	32 37'	78 53'	11-1-56	2315-0015	18	--	--	--	--	40' flat trawl
170	35 07'	75 04'	11-11-56	2007-2153	180	--	--	--	--	40' flat trawl
171	34 39'	75 05'	11-13-56	1950-2145	190-210	--	--	--	--	40' flat trawl
172	34 39'	75 10'	11-13-56	2235-0037	195-210	--	--	--	--	40' flat trawl
173	34 55'	75 20'	11-14-56	0130-0330	225	--	--	--	--	40' flat trawl
174	34 45'	75 28'	11-14-56	0440-0638	175	--	--	--	--	40' flat trawl
175	34 07'	76 06'	11-15-56	1727-1927	175	--	--	--	--	40' flat trawl
176	34 02'	76 09'	11-15-56	2030-0130	150	--	--	--	--	40' flat trawl
177	33 57'	76 14'	11-15-56	2330-0130	200	--	--	--	--	40' flat trawl
178	33 51'	76 18'	11-16-56	0255-0457	225	--	--	--	--	40' flat trawl
179	33 43'	76 22'	11-16-56	0611-0815	250	--	--	--	--	40' flat trawl
180	30 39'	70 39'	--	1010-1118	125	--	--	--	--	40' balloon trawl
181	33 35'	76 41'	11-16-56	1305-1505	150	--	--	--	--	40' balloon trawl
182	33 11'	76 58'	11-17-56	1915-2045	210	--	--	--	--	40' balloon trawl
183	33 05'	77 11'	11-17-56	2230-0005	190	--	--	--	--	40' balloon trawl
184	33 60'	77 21'	11-17-56	0300-0435	170	--	--	--	--	10' beam trawl
185	29 55'	80 10'	12-5-56	0100-0400	185	gn. M.	--	--	--	40' flat trawl
186	29 44'	80 09'	12-5-56	0500-0800	220	gn. M.	--	--	--	40' flat trawl
187	29 37'	80 12'	12-5-56	0853-1158	180	gn. M.	--	--	--	40' flat trawl
188	29 31'	80 09'	12-5-56	1300-1600	180	--	--	--	--	40' flat trawl
189	29 24'	80 08'	12-5-56	1648-1655	230	gn. M.	--	--	--	40' flat trawl
190	29 55'	80 11'	1-8-57	1835-0140	180	gn. M.	61	--	--	40' flat trawl
191	29 52'	80 10'	1-8-57	2240-2135	210	gn. M.	--	--	--	40' flat trawl
192	29 50'	80 13'	1-9-57	0250-0550	160	--	61	--	--	40' flat trawl
193	29 47'	80 12'	1-9-57	0700-1000	185-190	gy. M.	--	--	--	40' flat trawl
194	29 41'	80 11'	1-9-57	1100-1410	185	gy. M.	--	--	--	40' flat trawl
195	29 55'	80 11'	1-9-57	1645-1950	185	gy. M.	--	--	--	40' flat trawl
196	29 48'	80 12'	1-9-57	2040-2350	185	gy. M.	--	--	--	40' flat trawl
197	29 44'	80 12'	1-10-57	0100-0410	185	--	70	--	--	40' flat trawl
198	29 58'	80 12'	1-10-57	0610-0915	185	gy. M.	70	--	--	40' flat trawl
199	29 50'	80 10'	1-10-57	1020-1220	230	gn. M.	70	--	--	40' flat trawl
200	30 24'	80 26'	1-10-57	1730-1830	21-22	--	72	--	--	40' flat trawl
201	30 32'	80 19'	1-10-57	1925-2100	23	--	70	--	--	40' flat trawl
202	30 08'	80 49'	1-13-57	2058-2153	17	M.	--	--	--	40' flat trawl

Table 2.--M/V *Combat* station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		° F.	° F.	° F.	
203	30 01'	80 32'	1-14-57	0010-0110	22	M.	--	--	--	40' flat trawl
204	29 57'	80 11'	1-14-57	0300-0110	185	--	66	--	--	40' flat trawl
205	29 46'	80 12'	1-14-57	1450-1750	190	gy.M.	--	--	--	40' flat trawl
206	29 46'	80 12'	1-14-57	1940-2240	190	--	--	--	--	40' flat trawl
207	29 39'	80 12'	1-14-57	2335-0235	190	gy.M.	--	--	--	40' flat trawl
208	29 31'	80 10'	1-15-57	0525-0625	190	gy.M.	--	--	--	40' flat trawl
209	29 20'	80 05'	1-15-57	0725-1025	210	--	--	--	--	40' flat trawl
210	29 10'	80 05'	1-15-57	1205-1505	210	gy.M.	72	--	--	40' flat trawl
211	29 21'	80 05'	1-15-57	1650-1950	210	gy.M.	75	--	--	56' flat trawl
212	29 21'	80 06'	1-15-57	2140-0040	190	gy.M.	75	--	--	56' flat trawl
213	29 14'	80 05'	1-16-57	1325-1635	210	gy.M.	72	--	--	56' flat trawl
214	29 20'	80 07'	1-28-57	1042-0145	210	M.	--	74	--	40' flat trawl
215	29 14'	80 06'	1-29-57	0300-0607	190	M.	--	--	--	40' flat trawl
216	29 04'	80 03'	1-29-57	0708-1010	210	M.	--	--	--	40' flat trawl
217	29 02'	79 59'	1-29-57	1107-1407	190	M.	--	--	--	40' flat trawl
218	28 57'	79 57'	1-29-57	1508-1810	210	M.	--	78	--	40' flat trawl
219	28 49'	79 50'	1-29-57	1907-2210	200	M.G.	--	--	--	40' flat trawl
220	28 42'	79 55'	1-29-57	2308-0208	225	M.	74	--	--	40' flat trawl
221	28 35'	79 54'	1-30-57	0330-0630	175	M.	72	--	--	40' flat trawl
222	28 35'	79 53'	1-30-57	--	195	M.	72	--	--	40' flat trawl
223	28 21'	79 48'	1-30-57	1125-1428	250	M.	74	--	--	40' flat trawl
224	28 13'	79 48'	1-30-57	1535-1835	235	M.	79	--	--	40' flat trawl
225	28 04'	79 50'	1-30-57	--	200	--	73	--	--	40' flat trawl
226	28 02'	79 50'	1-31-57	0005-0310	180	M.	72	--	--	40' flat trawl
227	27 55'	79 48'	1-31-57	0420-0720	210	M.	72	--	--	40' flat trawl
228	27 47'	79 48'	1-31-57	0855-1150	200	M.	74	--	--	40' flat trawl
229	27 39'	79 50'	1-31-57	1245-1545	180	M.	72	--	--	40' flat trawl
230	27 39'	79 50'	1-31-57	1658-1955	200	M.	72	--	--	40' flat trawl
231	27 28'	79 51'	1-31-57	2050-2350	180	M.	70	--	--	40' flat trawl
232	27 22'	79 48'	2-1-57	--	210	M.	72	--	--	40' flat trawl
233	27 17'	79 49'	2-1-57	0445-0745	200	M.	76	--	--	40' flat trawl
234	27 12'	79 52'	2-1-57	0845-1045	180	M.	79	--	--	40' flat trawl
235	27 27'	78 58'	2-2-57	1922-2122	180	S.	76	--	--	40' flat trawl
236	27 29'	78 58'	2-2-57	2245-2248	200	Co.	--	--	--	40' flat trawl
237	27 28'	78 44'	2-3-57	0120-0420	215	S.Sh.	74	--	--	40' flat trawl
238	27 30'	78 52'	2-3-57	0553-0840	230	S.Sh.	74	--	--	40' flat trawl
239	27 25'	79 07'	2-3-57	--	250	wh.S.	--	--	--	40' flat trawl
240	27 27'	79 15'	2-3-57	1430-1535	210	M.	--	--	--	40' flat trawl
241	29 18'	80 04'	2-4-57	0350-0650	210	gy.M.	--	--	--	40' flat trawl
242	29 10'	80 03'	2-4-57	0750-1050	210	gy.M.	--	--	--	40' flat trawl
243	29 05'	80 00'	2-4-57	--	210	gy.M.	76	--	--	40' flat trawl
244	29 19'	80 04'	2-4-57	1802-2103	210	gy.M.	76	--	--	40' flat trawl
245	29 15'	80 05'	2-4-57	2227-0130	210	gy.M.	74	--	--	40' flat trawl
246	29 12'	80 03'	2-5-57	0250-0550	210	gn.M.	--	69	--	40' flat trawl
247	29 18'	80 05'	2-5-57	0742-1045	180	gy.M.	76	--	--	40' flat trawl
248	29 12'	80 02'	2-5-57	1148-1450	250	gn.M.	--	--	--	40' flat trawl
249	29 15'	80 12'	2-5-57	2008-2310	180	gy.M.	--	--	--	40' flat trawl
250	29 42'	80 10'	2-6-57	--	200	gy.M.	--	--	--	40' flat trawl
251	25 34'	80 00'	3-1-57	1237-1440	210	gy.M.	--	--	50	40' flat trawl
252	25 31'	80 00'	3-1-57	1600-1750	225	--	--	--	--	40' flat trawl
253	25 35'	80 00'	3-1-57	1905-1906	210	--	--	--	--	40' flat trawl
254	24°20'	83°20'	3-4-57	2315-0200	210	M.	--	--	--	40' flat trawl
255	24°26'	83°29'	5-5-57	0259-0600	225	--	--	--	--	40' flat trawl
256	24°29'	83°31'	3-5-57	0710-1010	185	--	--	--	--	40' flat trawl
257	24°22'	83°22'	3-5-57	1213-1415	190	--	--	--	--	56' flat trawl
258	24°20'	83°18'	5-7-57	1151-1451	200	--	--	--	92	56' flat trawl
259	24°29'	83°28'	3-7-57	1537-1820	185	--	--	--	48	56' flat trawl
260	24°33'	83°39'	5-7-57	1930-1940	210	--	--	--	--	56' flat trawl
261	24°27'	83°34'	3-7-57	--	230	--	--	--	--	56' flat trawl
262	24°25'	83°22'	3-8-57	--	210	--	--	--	--	56' flat trawl
263	24°17'	82°23'	3-10-57	1243-1445	200	--	--	--	--	40' flat trawl
264	24°16'	82°27'	5-11-57	--	200	--	75	--	--	40' flat trawl
265	24°16'	82°38'	3-11-57	1930-2215	220	--	72	--	--	40' flat trawl
266	24°16'	82°45'	3-11-57	2345-0245	205	M.	72	--	--	56' flat trawl
267	24°11'	82°30'	3-12-57	0347-0640	190-200	--	--	--	--	56' flat trawl
268	24°17'	82°27'	3-12-57	0750-1050	190	--	78	--	--	40' flat trawl
269	24°17'	82°27'	3-12-57	1150-1555	190	--	--	--	--	40' flat trawl
270	24°16'	82°30'	3-12-57	1645-1820	200	--	--	--	--	100' flat trawl
271	24°17'	82°25'	3-12-57	1940-2240	200	S.M.	76	--	--	80' balloon trawl
272	24°16'	83°31'	3-13-57	2340-0250	200	--	--	--	--	80' balloon trawl
273	24°17'	82°59'	3-13-57	0345-0705	200	--	--	--	--	80' balloon trawl
274	24°17'	82°23'	3-13-57	0830-1120	200	--	--	--	--	80' balloon trawl
275	24°17'	82°27'	3-13-57	1235-1535	190	--	--	--	57	80' balloon trawl
276	24°16'	82°26'	3-13-57	1740-2045	210	S.M.	76	--	--	80' balloon trawl
277	24°16'	82°25'	3-14-57	2320-0205	200-210	--	--	--	--	55' flat trawl
278	24°17'	82°22'	3-14-57	0300-0600	200	--	--	--	--	55' flat trawl
279	24°16'	82°26'	3-14-57	0655-0955	200	--	--	--	--	55' flat trawl
280	24°16'	82°34'	3-14-57	1050-1205	210	--	80	--	--	55' flat trawl
281	24°17'	82°47'	3-14-57	1445-1745	215	--	--	--	--	55' flat trawl
282	24°18'	82°57'	5-14-57	1845-2120	210	--	--	--	--	55' flat trawl
283	32°56'	78°06'	4-19-57	1335-1435	50	--	79	--	--	10' beam trawl
284	32°49'	77°56'	4-19-57	1610-1710	125	--	79	--	--	10' beam trawl
285	32°51'	77°31'	4-19-57	1955-2055	170	--	71	--	--	10' beam trawl
286	32°54'	77°27'	4-19-57	2200-0010	170-175	--	72	--	--	40' flat trawl
287	33°58'	77°20'	4-20-57	--	175	--	73	--	--	Drift net
288	33°03'	77°09'	4-20-57	0535-0535	200	--	--	--	--	40' flat trawl
289	33°05'	77°09'	4-20-57	0638-0838	200	--	--	--	--	40' flat trawl
290	33°13'	76°55'	4-20-57	1038-1238	200	--	72	--	46	40' flat trawl
291	33°23'	76°43'	4-20-57	1442-1648	210	--	--	--	46	40' flat trawl
292	33°09'	76°51'	4-20-57	2015-2215	225	--	70	--	--	40' flat trawl
293	32°58'	77°10'	4-21-57	0110-0310	225	--	68	--	--	40' flat trawl
294	32°54'	77°17'	4-21-57	--	210	--	72	--	--	40' flat trawl
295	32°50'	77°27'	4-21-57	0910-1125	200	--	80	--	46	40' flat trawl
296	32°40'	77°40'	4-21-57	1340-1435	220	S.	--	--	--	40' flat trawl
297	32°27'	78°08'	4-21-57	1743-1908	190	--	77	--	--	10' beam trawl
298	32°20'	78°12'	4-21-57	2118-2218	190	--	--	--	--	40' flat trawl
299	32°22'	78°14'	4-21-57	--	250	--	--	--	--	Drift net
300	32°15'	78°51'	4-22-57	0755-0905	190	--	73	--	46	40' flat trawl
301	32°15'	78°49'	4-22-57	1045-1050	215	S.gn.M.	80	--	--	40' flat trawl
302	32°10'	78°56'	4-22-57	1302-1502	210	S.	84	--	46	40' flat trawl
303	31°58'	79°08'	4-22-57	1750-1950	200	S.	76	--	47	40' flat trawl
304	31°50'	79°14'	4-22-57	2155-2450	180	--	--	--	--	40' flat trawl
305	31°43'	79°19'	4-23-57	0155-0355	210	gn.M.S.	--	--	--	40' flat trawl

Table 2.--M/V *Combat* station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		° F.	° F.	° F.	
306	31°31'	79°27'	4-23-57	0535-0747	220	--	78	--	47	40' flat trawl
307	31°15'	79°41'	4-23-57	1150-1225	180	--	79	--	--	40' flat trawl
308	31°04'	79°42'	4-23-57	1517-1603	200	--	76	--	--	40' flat trawl
309	30°53'	79°48'	4-23-57	1943-2143	210	--	74	--	48	40' flat trawl
310	30°40'	79°57'	4-24-57	0010-0300	210	--	--	--	--	40' flat trawl
311	30°21'	80°06'	4-24-57	0700-0750	185	--	76	--	48	40' flat trawl
312	30°13'	80°05'	4-26-57	2045-2245	220	gy. M.	71	--	48	40' flat trawl
313	29°52'	80°08'	4-27-57	--	200	gn. M.	--	--	--	56' flat trawl
314	29°38'	80°11'	4-27-57	0501-0800	180	gn. M.	76	--	--	56' flat trawl
315	29°26'	80°08'	4-27-57	0910-1210	210	gn. M.	76	--	--	56' flat trawl
316	29°25'	80°04'	4-27-57	1435-1635	215	gn. M.	--	--	--	56' flat trawl
317	29°07'	80°04'	4-27-57	1940-2140	200	gy. M.	71	--	--	56' flat trawl
318	28°47'	79°55'	4-28-57	0120-0320	210	gn. M.	--	--	--	56' flat trawl
319	28°31'	79°52'	4-28-57	0610-0810	180	gn. M.	82	--	49	56' flat trawl
320	28°17'	80°08'	4-28-57	1330-1345	25	--	76	--	--	56' flat trawl
321	28°09'	80°41'	4-30-57	--	13	--	82	--	--	40' flat trawl
322	28°57'	80°11'	4-30-57	2010-2310	190	gy. M.	78	--	--	56' flat trawl
323	28°52'	80°13'	4-30-57	0050-0350	175	gy. M.	--	--	--	56' flat trawl
324	28°41'	80°11'	5-30-57	0655-0925	210	gy. M.	--	--	--	56' flat trawl
325	28°33'	80°10'	5-30-57	1035-1333	200	gy. M.	--	--	--	56' flat trawl
326	28°28'	80°08'	5-30-57	1515-1815	200	gy. M.	--	--	--	56' flat trawl
327	28°22'	80°06'	5-30-57	1910-2210	200	gn. M.	78	--	--	40' flat trawl
328	28°16'	80°04'	5-30-57	--	--	--	--	--	--	Dip station
329	28°15'	80°05'	5-31-57	0425-0735	210	gn. M.	--	--	--	40' flat trawl
330	28°08'	80°03'	5-31-57	0835-1135	190	gn. M.	83	--	--	40' flat trawl
331	28°01'	79°59'	5-31-57	1330-1630	225	G.M.	82	--	--	40' flat trawl
332	28°55'	79°56'	5-31-57	1733-2033	180	G.M.	78	--	--	40' flat trawl
333	28°58'	80°13'	6-1-57	0003-0135	30	--	77	--	--	40' flat trawl
334	28°15'	80°13'	6-1-57	0200-0245	30	Sb. S.	--	--	--	40' flat trawl
335	28°03'	80°13'	6-1-57	0303-0433	28	--	--	--	--	40' flat trawl
336	28°10'	80°19'	6-1-57	0540-0632	25	Sb.	78	--	--	40' flat trawl
337	28°19'	80°15'	6-1-57	1335-1435	35	--	--	--	--	10' beam trawl
338	28°15'	80°16'	6-1-57	1500-1600	30	S.	--	--	--	10' beam trawl
339	28°19'	80°18'	6-1-57	1710-1810	25	S.Sb.	--	--	--	10' beam trawl
340	28°19'	80°18'	6-1-57	1710-1810	25	S.Sb.	--	--	--	40' flat trawl
341	28°10'	80°20'	6-1-57	1945-2048	22	--	72	--	--	40' flat trawl
342	28°18'	80°17'	6-1-57	2133-2240	28	S.Sb.	72	--	--	40' flat trawl
343	28°19'	80°18'	6-1-57	--	--	--	72	--	--	Dip station
344	28°32'	80°15'	6-2-57	0133-0233	32	S.	--	--	--	40' flat trawl
345	28°20'	80°15'	6-2-57	0304-0405	35	--	68	--	--	40' flat trawl
346	28°26'	80°16'	6-2-57	0430-0530	38	S.	--	--	--	40' flat trawl
347	28°31'	80°31'	6-2-57	1946-2046	18	S.Sb.	78	--	--	40' flat trawl
348	28°32'	80°25'	6-2-57	2115-2215	22	S.Sb.	76	--	--	40' flat trawl
349	28°34'	80°23'	6-2-57	2255-2355	25	S.Sb.	76	--	--	40' flat trawl
350	28°27'	80°20'	6-3-57	0045-0135	38	S. Co. Sb.	--	--	--	40' flat trawl
351	28°38'	80°23'	6-3-57	0205-0305	28	--	78	--	--	40' flat trawl
352	28°47'	80°27'	6-3-57	0345-0405	24	--	78	--	--	40' flat trawl
353	30°24'	80°20'	6-5-57	1945-2043	24	S.Sb.	78	--	--	40' flat trawl
354	30°25'	80°26'	6-5-57	2107-2205	27	S.Sb.	78	--	--	40' flat trawl
355	30°25'	80°31'	6-3-57	--	20	--	77	--	--	Dip station
356	33°31'	76°35'	6-14-57	0220-0420	200	--	--	--	--	40' flat trawl
357	33°49'	76°20'	6-14-57	0609-0810	180	--	80	--	54	40' flat trawl
358	33°59'	76°09'	6-14-57	0918-1115	210-225	gn. M.	82	--	--	40' flat trawl
359	34°25'	75°37'	6-14-57	1530-1650	210	--	83	--	--	40' flat trawl
360	34°27'	75°43'	6-14-57	--	180	gn. M.	80	--	--	40' flat trawl
361	34°22'	75°46'	6-14-57	2105-2213	210	gn. M.	83	--	--	40' flat trawl
362	34°18'	75°51'	6-14-57	2320-0120	220	gn. M.	81	--	--	40' flat trawl
363	34°14'	75°57'	6-15-57	0255-0455	180	gn. M.	79	--	--	40' flat trawl
364	34°10'	75°59'	6-15-57	0545-0745	210	gn. M.	82	--	54	40' flat trawl
365	35°05'	75°06'	6-15-57	1515-1715	200	gn. M.	82	--	--	40' flat trawl
366	35°01'	75°13'	6-15-57	1840-2040	180	gn. M. &	82	--	--	40' flat trawl
367	34°56'	75°18'	6-15-57	2205-0005	230	gn. M. &	80	--	--	40' flat trawl
368	34°15'	75°23'	6-16-57	0105-0125	190	M.	81	--	--	40' flat trawl
369	34°41'	75°31'	6-16-57	0350-0550	200	--	86	--	--	40' flat trawl
370	35°05'	75°08'	6-16-57	1031-1207	100	--	88	--	56	40' flat trawl
371	35°07'	75°13'	6-16-57	1405-1505	60	--	90	--	68	40' flat trawl
372	35°07'	75°14'	6-16-57	1540-1640	45	--	90	--	--	40' flat trawl
373	35°05'	75°17'	6-16-57	1705-1805	40	S.	--	--	--	40' flat trawl
374	35°07'	75°15'	6-16-57	1938-2038	35	S.	--	--	--	40' flat trawl
375	35°06'	75°18'	6-16-57	2055-2155	30	S.	80	--	--	40' flat trawl
376	35°08'	75°15'	6-16-57	2222-2322	25	S.	80	--	70	40' flat trawl
377	35°00'	75°30'	6-17-57	0140-0240	25	S.	78	--	--	40' flat trawl
378	34°58'	75°32'	6-17-57	0305-0402	30	S.	80	--	--	40' flat trawl
379	34°59'	75°20'	6-17-57	0430-0530	35	S.	80	--	--	40' flat trawl
380	34°57'	75°27'	6-17-57	0610-0710	40	S.	82	--	--	40' flat trawl
381	34°59'	75°23'	6-17-57	0738-0840	45	S.	85	--	--	40' flat trawl
382	34°57'	75°23'	6-17-57	--	50	S.	86	--	--	40' flat trawl
383	34°56'	75°20'	6-17-57	1102-1252	60	S. & S.	90	--	--	40' flat trawl
384	34°54'	75°25'	6-17-57	1335-1435	75	Co.	89	--	--	40' flat trawl
385	34°46'	75°37'	6-17-57	1730-1830	50	--	89	--	72	40' flat trawl
386	34°45'	75°38'	6-17-57	--	45	--	80	--	--	40' flat trawl
387	34°45'	75°38'	6-17-57	--	40	--	78	--	--	40' flat trawl
388	34°47'	75°33'	6-17-57	2228-2330	35	S. G.	78	--	--	40' flat trawl
389	34°36'	75°39'	6-18-57	0025-0125	30	S.	--	--	--	40' flat trawl
390	34°33'	75°46'	6-20-57	--	50	hnd. Co.	82	--	--	40' flat trawl
391	34°34'	75°50'	6-20-57	1528-1628	35	--	82	--	--	40' flat trawl
392	34°36'	75°46'	6-20-57	1703-1805	30	hnd. Sb.	80	--	--	40' flat trawl
393	34°37'	75°52'	6-20-57	1838-1938	25	S.	78	--	--	40' flat trawl
394	34°32'	76°02'	6-20-57	2133-2233	25	S.	80	--	--	40' flat trawl
395	34°29'	76°01'	6-20/21-57	2318-0018	30	S.	79	--	--	40' flat trawl
396	34°31'	75°55'	6-21-57	0108-0204	35	S.	79	--	--	40' flat trawl
397	34°26'	75°55'	6-21-57	0230-0330	40	S.	78	--	--	40' flat trawl
398	34°24'	75°50'	6-21-57	0357-0500	45	S. Sb.	78	--	--	40' flat trawl
399	34°26'	75°52'	6-21-57	0524-0625	50	S. Sb.	78	--	--	40' flat trawl
400	34°23'	75°54'	6-21-57	0656-0711	60	S.	78	--	--	40' flat trawl
401	34°22'	75°53'	6-21-57	0744-0914	75	S.	85	--	--	40' flat trawl
402	34°18'	75°54'	6-21-57	--	100	S.	80	--	--	40' flat trawl
403	34°16'	75°58'	6-21-57	1258-1428	100	S.	81	--	57	40' flat trawl
404	34°15'	76°01'	6-21-57	1520-1650	75	S.	81	--	--	40' flat trawl
405	34°18'	75°58'	6-21-57	1735-1905	75	S.	78	--	--	40' flat trawl
406	34°17'	76°01'	6-21-57	2005-2105	45	--	78	--	--	40' flat trawl
407	34°22'	76°00'	6-21-57	2231-2331	35	S. Sb.	79	--	--	40' flat trawl
408	34°23'	76°03'	6-22-57	0015-0115	30	S. Sb.	79	--	--	40' flat trawl
409	34°22'	76°06'	6-22-57	0150-0250	25	S.	79	--	74	40' flat trawl
410	34°26'	75°42'	6-22-57	0610-0810	200	gn. M.	88	--	--	56' flat trawl
411	34°24'	75°44'	6-22-57	0906-1105	215	gn. M.	88	--	--	56' flat trawl
412	34°26'	75°42'	6-22-57	1255-1455	215	gn. M.	80	--	--	55' flat trawl
413	34°24'	75°45'	6-22-57	1700-1905	215	gn. M.	82	--	--	40' flat trawl



Table 2.--M/V *Combat* station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		° F.	° F.	° F.	
414	34°21'	75°47'	6-22-57	2026-2055	225	--	82	--	--	40' flat trawl
415	34°17'	75°50'	6-22-57	2236-2255	220	gn.M.	80	--	--	40' flat trawl
416	34°16'	75°52'	6-22-57	0120-0220	215	--	78	--	--	40' flat trawl
417	34°08'	75°58'	6-23-57	0440-0640	225	gn.M.	81	--	46	40' flat trawl
418	34°04'	75°58'	6-23-57	0751-0951	225	gn.M.	84	--	--	40' flat trawl
419	34°01'	76°05'	6-23-57	1129-1329	220	gn.M.	81	--	--	40' flat trawl
420	33°58'	76°11'	6-23-57	1444-1652	215	gn.M.	87	--	--	40' flat trawl
421	33°43'	76°23'	6-23-57	1844-2044	220	gn.M.	87	--	48	40' flat trawl
422	33°32'	76°33'	6-23/24-57	2240-0044	220	gn.M.	80	--	--	40' flat trawl
423	33°25'	76°40'	6-24-57	0250-0450	220	gn.M.	80	--	--	40' flat trawl
424	32°34'	78°46'	6-24-57	1939-2255	24	S.	78	--	--	55' flat trawl
425	32°32'	79°55'	6-24-57	2128-2230	21	S.	82	--	--	55' flat trawl
426	32°27'	78°54'	6-24-57	2303-2340	24-32	S.Sh.	--	--	--	55' flat trawl
427	32°32'	79°01'	6-25-57	0043-0143	35	S.	80	--	--	55' flat trawl
428	32°17'	79°10'	6-25-57	0235-0335	26-24	S.Sh.	--	--	--	55' flat trawl
429	32°14'	79°16'	6-25-57	0417-0517	23	S.Sh.	--	--	--	55' flat trawl
430	29°58'	80°10'	7-17-57	1730-1930	190	gn.M.	86	--	41	55' flat trawl
431	29°57'	80°08'	7-17-57	2038-2238	210	gn.M.	82	--	--	55' flat trawl
432	29°52'	80°13'	7-17-57	2335-0235	180	gn.M.	80	--	--	55' flat trawl
433	29°56'	80°12'	8-18-57	0355-0700	180	gn.M.	--	--	--	40' flat trawl
434	29°52'	80°10'	7-18-57	0805-1105	190	gn.M.	84	--	--	40' flat trawl
435	29°46'	80°12'	7-18-57	1215-1515	200	gn.M.	--	--	--	40' flat trawl
436	24°13'	81°42'	7-21-57	1329-1530	300	--	87	--	42	40' flat trawl
437	24°13'	81°41'	7-21-57	1747-1810	250	Co.	--	--	--	40' flat trawl
438	25°10'	80°02'	7-22-57	0645-0845	220	--	--	--	--	40' flat trawl
439	25°03'	80°01'	7-22-57	1005-1205	225	--	85	--	45	40' flat trawl
440	25°04'	80°02'	7-22-57	1353-1553	180	--	89	--	--	40' flat trawl
441	25°18'	80°00'	7-22-57	1840-1940	185	--	--	--	48	40' flat trawl
442	25°15'	80°01'	7-22-57	2134-2234	160	--	--	--	48	40' flat trawl
443	25°11'	79°56'	7-22-57	--	300	--	--	--	--	Drift net
444	25°11'	79°55'	7-23-57	0127-0327	300	--	85	--	--	40' flat trawl
445	25°15'	79°13'	7-23-57	1958-2058	200	Co.M.	--	--	63	40' flat trawl
446	25°10'	79°13'	7-23-57	--	250	--	--	--	--	40' flat trawl
447	25°07'	79°15'	7-23-57	0235-0435	300	Co.S.	--	--	54	40' flat trawl
448	24°04'	79°15'	7-24-57	1228-1428	250	--	94	--	82	40' flat trawl
449	24°05'	79°46'	7-24-57	1912-2112	350	wh.M.	86	--	--	10' beam trawl
450	23°59'	79°43'	7-24-57	2330-0130	350	--	--	--	--	10' beam trawl
451	24°12'	80°01'	7-25-57	2120-2230	250	--	--	--	--	10' beam trawl
452	24°35'	79°58'	7-25-57	1501-1801	565	--	--	--	--	10' beam trawl
453	25°12'	80°00'	7-25/26-57	2350-0250	185	M.	82	--	50	65' flat net
454	25°13'	80°10'	7-26-57	0512-0535	85	--	--	--	--	40' flat trawl
455	25°13'	80°10'	7-26-57	0618-0720	40-50	Co.	--	--	--	40' flat trawl
456	25°18'	80°07'	7-26-57	0847-0947	65	--	--	--	--	40' flat trawl
457	25°16'	80°07'	7-26-57	1028-1128	65	--	86	--	--	40' flat trawl
458	26°37'	79°51'	7-28-57	1118-1318	180	--	--	--	--	40' flat trawl
459	26°47'	79°53'	7-28-57	1515-1715	220	--	--	--	--	40' flat trawl
460	27°08'	79°51'	7-28-57	2107-2307	200	gn.M.	82	--	--	40' flat trawl
461	27°11'	79°52'	7-29-57	0040-0340	190	gn.M.	--	--	--	40' flat trawl
462	27°14'	79°50'	7-29-57	0537-0837	210	--	82	--	48	40' flat trawl
463	27°22'	79°50'	7-29-57	1055-1255	220	gn.M.	78	--	--	40' flat trawl
464	27°51'	79°50'	7-29-57	1639-1839	215	--	83	--	--	40' flat trawl
465	28°30'	79°52'	7-29/30-57	2307-0107	200	gn.M.	80	--	--	40' flat trawl
466	28°25'	79°53'	7-30-57	0200-0400	200	gn.M.	--	--	--	40' flat trawl
467	28°36'	79°54'	7-30-57	0615-0815	220	gn.M.	82	--	52	40' flat trawl
468	28°34'	79°52'	7-30-57	0950-1250	240	gn.M.	83	--	--	40' flat trawl
469	29°07'	80°01'	7-30-57	1717-1930	200	gn.M.	82	--	--	40' flat trawl
470	29°06'	80°00'	7-30-57	2037-2237	220	gn.M.	80	--	--	40' flat trawl
471	29°57'	80°12'	8-13-57	2050-2255	180	gn.M.	82	--	--	40' flat trawl
472	29°52'	80°10'	8-14-57	0005-0205	210	gn.M.	87	--	--	40' flat trawl
473	29°48'	80°12'	8-14-57	0325-0630	210	gn.M.	87	--	--	40' flat trawl
474	29°38'	80°12'	8-14-57	0745-1055	200	gn.M.	87	--	44	40' flat trawl
475	29°30'	80°10'	8-14-57	1222-1522	160	gn.M.	88	--	46	40' flat trawl
476	29°19'	80°06'	8-14-57	1640-1935	230	gn.M.	87	--	--	40' flat trawl
477	29°30'	80°09'	8-16-57	2105-0005	210	gn.M.	82	--	--	40' flat trawl
478	29°22'	80°06'	8-17-57	0130-0430	210	gn.M.	85	--	--	40' flat trawl
479	29°22'	80°06'	8-17-57	0722-1020	200	gn.M.	84	--	--	65' flat trawl
480	29°30'	80°08'	8-17-57	1207-1507	210	gn.M.	88	--	46	85' flat trawl
481	29°28'	80°08'	8-17-57	1700-2000	200	gn.M.	84	--	--	65' flat trawl
482	29°28'	80°08'	8-17-57	2152-0052	190	gn.M.	--	--	--	65' flat trawl
483	29°30'	80°09'	8-18-57	0307-0607	190	gn.M.	82	--	--	65' flat trawl
484	29°30'	80°09'	8-18-57	0807-1107	180	gn.M.	81	--	--	65' flat trawl
485	29°29'	80°09'	8-18-57	1355-1655	200	gn.M.	90	--	--	65' flat trawl
486	29°29'	80°08'	8-18-57	--	210	gn.M.	--	--	--	65' flat trawl
487	29°30'	80°09'	8-19-57	0105-0505	200	gn.M.	84	--	--	65' flat trawl
488	29°30'	80°13'	8-19-57	0753-1000	50	G.S.	--	--	64	40' flat trawl
489	29°30'	80°11'	8-19-57	1115-1315	75	S.Sh.	84	--	--	40' flat trawl
490	29°29'	80°10'	8-19-57	1425-1625	100	S.Sh.	86	--	--	40' flat trawl
491	29°30'	80°10'	8-19-57	1750-1955	125	--	87	--	--	40' flat trawl
492	29°26'	80°08'	8-19-57	--	150	--	--	--	--	Dip Station
493	29°30'	80°09'	8-19-57	2203-0003	150	--	--	--	--	40' flat trawl
494	29°30'	80°08'	8-20-57	0200-0400	175	gn.M.	--	--	--	40' flat trawl
495	29°30'	80°08'	8-20-57	0545-0745	200	gn.M.	--	--	--	40' flat trawl
496	30°18'	80°21'	8-20-57	1808-1908	25	G.S.Sh.	--	--	--	40' flat trawl
497	30°13'	80°23'	8-20-57	1950-2050	25	S.Sh.	84	--	--	40' flat trawl
498	30°15'	80°51'	8-20-57	2158-2258	20	S.Sh.	--	--	--	40' flat trawl
499	30°01'	80°09'	9-11-57	2150-0150	200	gn.M.	82	--	--	65' flat trawl
500	29°49'	80°10'	9-12-57	0245-0645	210	gn.M.	82	--	--	65' flat trawl
501	29°36'	80°09'	9-12-57	0740-1140	210	gn.M.	86	--	--	65' flat trawl
502	29°25'	80°07'	9-12-57	1240-1540	180	gn.M.	88	--	--	65' flat trawl
503	29°29'	80°09'	9-12-57	1725-2030	210	gn.M.	82	--	--	65' flat trawl
504	30°24'	81°22'	10-2-57	1242-1342	6-8	M.	--	--	--	40' flat trawl
505	30°54'	80°33'	10-2-57	1928-2028	17	--	79	--	--	40' flat trawl
506	31°15'	80°20'	10-2-57	2302-0002	17	Sh.G.	--	--	--	40' flat trawl
507	31°24'	80°12'	10-3-57	0138-0242	20	S.Sh.	--	--	--	40' flat trawl
508	31°29'	79°53'	10-3-57	0436-0536	22-24	S.Sh.	--	--	--	40' flat trawl
509	31°32'	79°44'	10-3-57	--	35	--	--	--	--	40' flat trawl
510	31°35'	79°38'	10-3-57	0813-1015	50	--	--	--	--	40' flat trawl
511	31°36'	79°38'	10-3-57	1234-1434	50	--	81	--	--	40' flat trawl
512	31°29'	79°33'	10-3-57	1542-1742	60	--	--	--	--	40' flat trawl
513	32°05'	79°37'	10-7-57	1755-1855	20	S.Sh.	--	--	78	40' flat trawl
514	32°05'	79°40'	10-7-57	1923-2023	22-25	S.Sh.	--	--	--	40' flat trawl

Table 2.--H/V Combat station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					<u>Fathoms</u>		<u>° F.</u>	<u>° F.</u>	<u>° F.</u>	
515	32°01'	79°36'	10-7-57	2045-2145	25-27	--	--	--	--	40' flat trawl
516	31°55'	79°33'	10-7-57	2203-2303	27-32	S.Sh.	--	--	--	40' flat trawl
517	31°55'	79°33'	10-7-57	2341-0041	32-38	S.Sh.	--	--	--	40' flat trawl
518	31°51'	79°35'	10-8-57	0105-0205	38-43	--	--	--	--	40' flat trawl
519	31°49'	79°31'	10-8-57	0229-0328	45	S.Sh.	--	--	--	40' flat trawl
520	31°41'	79°40'	10-8-57	1253-1353	33-40	S.Sh.	--	--	--	40' flat trawl
521	31°44'	79°42.5'	10-8-57	1415-1515	33-35	--	--	--	--	40' flat trawl
522	31°47'	79°42'	10-8-57	1535-1635	30	S.Sh.	--	--	--	40' flat trawl
523	31°50'	79°46'	10-8-57	1659-1759	26	S.Sh.	--	--	--	40' flat trawl
524	31°45'	79°45'	10-8-57	1933-2033	27-31	S.Sh.	73	--	--	40' flat trawl
525	31°43'	79°42'	10-8-57	2053-2153	32-33	S.Sh.	--	--	--	40' flat trawl
528	31°38'	79°40'	10-8-57	2235-2335	41-45	S.Sh.	--	--	--	40' flat trawl
527	31°27'	79°42'	10-9-57	0846-1048	75	--	--	--	--	--
528	31°18.5'	79°45.5'	10-9-57	1245-1445	100	--	--	--	--	40' flat trawl
529	31°12'	79°52'	10-9-57	1530-1700	50	S.Sh.	--	--	--	40' flat trawl
530	31°06'	79°53'	10-9-57	1734-1935	80	--	--	--	--	40' flat trawl

Table 3.--M/V Pelican station list

## M/V PELICAN STATION LIST

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		° F.	° F.	° F.	
1	30°26'	81°23'	3-2-56	1205-1240	5-6	gy.M.	70.5	61.8	--	10' beam trawl
2	30°26'	81°23'	3-2-56	1305-1405	5	gy.M.vb.S.	70.5	61.8	--	10' beam trawl
3	29°18'	81°01'	3-5-56	1758-1820	8	vb.S.	70.2	66.5	--	40' flat trawl
4	27°42'	81°55'	3-6-56	1105-1152	80-100	M.S.	83.0	76	--	40' flat trawl
5	27°47'	79°48'	3-6-56	1215-1318	117	M.S.	77	76	--	40' flat trawl
6	27°41'	79°55'	3-6-56	1457-1556	85	M.S.	77	76	--	40' flat trawl
7	27°54'	80°00'	3-6-56	--	33	M.S.	--	--	--	40' flat trawl
8	27°53'	80°05'	3-6-56	1850-1953	22	s.Sh.	73	72.5	--	40' flat trawl
9	27°35'	79°49'	3-7-56	1059-1300	190-200	M.S.	78	77	--	40' flat trawl
10	27°36'	79°48'	3-11-56	0702-0935	180-200	gy.M.	76	77	--	40' semi-balloon trawl
11	27°52'	79°45'	3-11-56	1036-1305	235	vb.M.	79	78	--	40' semi-balloon trawl
12	28°15'	79°48'	3-11-56	1426-1635	215	bu.M.	84	78	--	10' beam trawl
13	28°22'	79°53'	3-11-56	1726-1910	180	bu.M.	75	77	--	10' beam trawl
14	28°07'	80°06'	3-23-56	1246-1317	22	s.Sh.	77	68	--	80' balloon trawl
15	26°31'	80°01'	3-25-56	0526-0625	30-35	Co.Spg.	61	70.8	--	40' flat trawl
16	26°12'	80°02'	3-25-56	0947-1045	75-85	S.Co.	68	73	--	40' flat trawl
17	26°18'	79°51'	3-29-56	0035-0300	144-200	gy.M.	72	75	--	40' flat trawl
18	26°31'	79°46'	3-29-56	0417-0817	235	gy.S.	71	74	54	40' flat trawl
19	26°50'	79°44'	3-29-56	--	200	--	--	--	--	40' flat trawl
20	28°17'	79°48'	4-5-56	1111-1525	180	bu.M.	81	78	--	80' balloon trawl
21	28°06'	80°05'	4-8-56	1320-1418	26-22	gy.S.	72.5	71.8	--	40' flat trawl
22	28°07'	80°06'	4-8-56	1432-1533	21	gy.S.	72	72	--	40' flat trawl
23	28°04'	80°09'	4-8-56	1543-1640	21	gy.S.	72	72	--	40' flat trawl
24	27°57'	80°04'	4-8-56	1753-1911	22-23	S.Sh.	68	72	--	40' flat trawl
25	28°03'	79°52'	4-8-56	2120-0118	150-175	bu.M.	72	76	--	40' flat trawl
26	28°17'	79°50'	4-9-56	0150-0600	180-200	bu.M.	70.2	76	--	40' flat trawl
27	28°28'	79°43'	4-9-56	0645-1040	200-212	gy.M.	72	76	--	40' flat trawl
28	28°46'	79°56'	4-9-56	1217-1635	150-156	gy.M.	72	76	--	40' flat trawl
29	29°01'	79°58'	4-9-56	1708-2120	165-212	gy.M.	72.5	76	--	40' flat trawl
30	29°20'	80°05'	4-9-56	2250-0305	300-207	gy.M.	70	76	--	40' flat trawl
31	29°36'	80°06'	4-10-56	0348-0800	210-180	gy.M.	67.5	76	--	40' flat trawl
32	30°11'	81°02'	4-23-56	1918-1958	13	S.Sh.	68	68	--	40' flat trawl
33	30°13'	80°41'	4-23-56	2231-2327	15-16	Sh.S.	68	68	--	40' flat trawl
34	29°59'	80°11'	4-24-56	0930-1223	145-164	gy.S.M.Sh.	82	76	--	40' flat trawl
35	30°10'	80°09'	4-24-56	1348-1700	147-138	Gra.S.Co.	76	76	--	40' flat trawl
36	30°16'	80°08'	4-24-56	1815-1937	150-142	gy.S.	74	76	--	40' flat trawl
37	30°25'	80°04'	4-24-56	2031-2300	170-150	gy.M.Co.	72	76	--	40' flat trawl
38	31°40'	79°15'	4-25-56	0800-0918	182-250	--	66	76	--	40' flat trawl
39	31°55'	80°19'	4-27-56	1111-1221	12-14	gy.S.	72	67	--	40' flat trawl
40	31°54'	79°09'	4-27-56	1919-2115	140-230	Rk.	74	76	--	40' flat trawl
41	29°56'	80°09'	5-1-56	1705-2006	188-185	gy.M.	84	78	--	40' flat trawl
42	30°02'	80°05'	5-1-56	2052-2355	205	gy.M.	75	78	--	40' flat trawl
43	30°03'	80°03'	5-2-56	0053-0558	223-242	Rk.	72	78	--	40' flat trawl
44	29°57'	80°10'	5-2-56	0850-1143	173-170	gy.M.	79	78	--	40' flat trawl
45	30°02'	80°09'	5-2-56	1357-1700	178-173	gy.M.	79	78	--	40' flat trawl
46	29°54'	80°10'	5-2-56	1736-2130	173-180	gy.M.	76	78	--	40' flat trawl
47	29°44'	80°10'	5-11-56	1834-2138	180	gy.M.	75	73.8	--	86' flat trawl
48	29°52'	80°11'	5-11-56	2210-0212	180	gy.M.	74	74	--	86' flat trawl
49	30°02'	80°06'	5-12-56	0304-0801	175	gy.M.	75	74	--	86' flat trawl
50	29°53'	80°09'	5-12-56	--	190-202	gy.M.	80	81	--	86' flat trawl
51	29°46'	80°09'	5-12-56	1313-1800	190-202	gy.M.	78	81	--	86' flat trawl
52	29°48'	80°12'	5-15-56	--	162	gy.M.	78	81	--	86' flat trawl
53	29°48'	80°12'	5-22-56	0311-0613	160	gy.M.	77	80	--	60' flat trawl
54	29°47'	80°11'	6-8-56	1730-2010	155-172	gy.M.	84	81	--	60' flat trawl
55	29°58'	80°11'	6-8-56	--	160	--	--	--	--	60' flat trawl
56	29°55'	80°12'	6-10-56	0555-0647	153-145	gy.M.	79	82	--	40' flat trawl
57	29°59'	80°07'	6-10-56	0745-0904	165-168	gy.M.	83	82	--	40' flat trawl
58	29°59'	80°10'	6-10-56	0930-1330	162-167	gy.M.	84	82	--	40' flat trawl
59	29°54'	80°10'	6-10-56	1400-1645	162-165	gy.M.	91	82	--	40' flat trawl
60	28°29'	79°54'	6-11-56	1040-1508	160-190	gy.M.	92	82	--	40' flat trawl
61	28°42'	79°56'	6-11-56	1605-1900	155-130	gy.M.	84	82	--	40' flat trawl
62	28°53'	79°57'	6-11-56	2022-0027	173-137	gy.M.	81	82	--	40' flat trawl
63	29°11'	80°03'	6-12-56	0243-0725	175-250	gy.M.	80	82	--	40' flat trawl
64	29°23'	80°08'	6-12-56	0818-1315	175-212	gy.M.	82	82	--	40' flat trawl
65	29°37'	80°11'	6-12-56	1401-1808	175-130	gy.M.	84	82	--	40' flat trawl
66	28°33'	79°52'	6-13-56	1222-1708	195-203	gy.M.	83	82	--	40' flat trawl
67	28°48'	79°53'	6-13-56	1750-2255	212-213	gy.M.	82	82	--	40' flat trawl
68	29°03'	79°50'	6-13-56	2350-0505	175	gy.M.	78	82	--	40' flat trawl
69	29°14'	80°04'	6-14-56	0543-1043	174-193	gy.M.	79.2	82	--	40' flat trawl
70	29°32'	80°08'	6-14-56	1116-1432	190-150	gy.M.	84	82	--	40' flat trawl
71	29°42'	80°11'	6-14-56	1514-1902	208-175	gy.M.	84	82	--	40' flat trawl
72	32°25'	78°39'	6-21-56	1824-2018	167-173	--	82	79.5	--	40' flat trawl
73	32°52'	77°24'	6-22-56	0510-0904	190-202	S.	78	78	--	40' flat trawl
74	33°08'	76°58'	6-23-56	1531-1716	230-252	--	85	81	--	40' flat trawl
75	33°12'	76°50'	6-23-56	--	225-202	--	80	81	--	40' flat trawl
76	29°28'	80°08'	6-27-56	0137-0230	225-245	gy.M.	79	81	--	40' flat trawl
77	29°31'	80°09'	6-27-56	0320-0730	180-225	gy.M.	79	81	--	40' flat trawl
78	29°44'	80°10'	6-27-56	0817-1320	177	gy.M.	80	81	--	40' flat trawl
79	29°41'	80°11'	6-27-56	--	205	gy.M.	83	81	--	40' flat trawl



Table 4.--M/V Silver Bay station list

M/V SILVER BAY STATION LIST

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
							° F.	° F.	° F.	
					Fathoms					
1	28°41'	86°03'	6-13-57	--	17-20	M.	83	82	--	60' fish trawl
2	28°41'	89°03'	6-13-57	--	18	M.	--	--	--	Dip net
3	28°18'	90°18'	6-24-57	0600-0730	33-28	M.	--	--	--	60' roller net
4	28°15'	90°55'	6-24-57	1235-1320	50-56-47	M.Co.	82	80	--	60' roller net
5	28°30'	92°41'	6-25-57	0605-0705	28	M.	78	80	--	60' roller net
6	28°28'	94°20'	6-25-57	0835-0935	28	M.	80	82	--	60' roller trawl
7	28°30'	94°25'	6-28-57	1700-1830	28-29	S.M.Sh.	78	80	--	60' roller net
8	28°12'	94°10'	6-29-57	--	27	M.S.Sh.	80	80	--	60' roller net
8	28°10'	94°05'	6-29-57	--	30	--	81	80	--	60' roller net
10	28°08'	94°35'	6-29-57	--	31	S.Spg.	82	80	--	--
11	28°08'	94°35'	6-29-57	--	31	Co.M.	85	80	--	60' roller net
12	28°04'	88°43'	7-1-57	0255-0455	44-42	M.	82	80	--	52' roller trawl
13	28°12'	88°45'	7-1-57	0515-0520	38	Co.	80	82	--	52' roller net
14	28°20'	88°20'	7-1-57	--	24-27	S.M.	80	82	--	52' roller net
15	30°10'	86°17'	7-12-57	1328-1348	7	gy.M.S.	78	84	--	Quahog dredge
16	30°05'	87°42'	7-12-57	1732-1804	10-11	S.	--	--	--	Quahog dredge
17	30°09'	87°34'	7-12-57	1837-1900	11	S.	83	83	--	Quahog dredge
18	30°11'	87°25'	7-12-57	--	--	S.	80	84	--	Quahog dredge
19	--	--	7-12/13-57	--	--	S.	81	84	--	Trap lift net
20	30°14'	87°13'	7-13-57	0737-0807	12	S.	78	82	--	Quahog dredge
21	30°15'	87°13'	7-13-57	0813-0843	10-13	S.	79	82	--	Quahog dredge
22	30°16'	87°11'	7-13-57	0910-0940	10-14	S.	--	--	--	Quahog dredge
23	30°20'	87°02'	7-13-57	1105-1135	7	S.	81	85	--	Quahog dredge
24	30°21'	87°00'	7-13-57	1143-1215	7-8	S.	81	85	--	Quahog dredge
25	30°20'	86°58'	7-13-57	1222-1255	8-11	--	81	85	--	Quahog dredge
26	30°22'	86°56'	7-13-57	1301-1335	11-14	--	81	86	--	Quahog dredge
27	30°23'	86°52'	7-13-57	1343-1422	14-11	--	81	84	--	Quahog dredge
28	30°10'	86°57'	7-13-57	1440-1510	15	--	84	--	--	Quahog dredge
29	30°08'	86°50'	7-13-57	1530-1600	15-20	S.	81	83	--	Quahog dredge
30	30°04'	86°42'	7-14-57	--	25-50	S.	84	84	--	Quahog dredge
31	--	--	7-14-57	0200-0500	4	S.	--	--	--	Trap lift net
32	28°30'	85°35'	7-14-57	--	11-12	S.	83	83	--	Quahog dredge
33	28°27'	85°34'	7-14-57	--	12	S.	83	84	--	Quahog dredge
34	28°30'	85°30'	7-14-57	1030-1100	7	--	82	84	--	Quahog dredge
35	28°20'	85°31'	7-14-57	1225-1250	25-30	S.	--	--	--	8' scallop dredge
36	28°17'	85°32'	7-14-57	--	30-36	S.	82	86	--	8' scallop dredge
37	28°15'	85°31'	7-14-57	1400-1430	36-35	S.	--	--	--	8' scallop dredge
38	28°12'	85°32'	7-14-57	--	--	S.	82	85	--	8' scallop dredge
39	28°21'	85°18'	7-14-57	--	13	S.M.	83	85	--	8' scallop dredge
40	--	--	7-14-57	--	--	--	--	--	--	Trap lift net
41	28°13'	85°08'	7-15-57	0827-0800	13	S.	--	--	--	8' scallop dredge
42	28°16'	85°08'	7-15-57	0932-1015	16-14	--	83	86	--	8' scallop dredge
43	28°12'	85°13'	7-15-57	1030-1100	13, 5-17	S.	83	87	--	8' scallop dredge
44	28°08'	85°17'	7-15-57	--	15-21-17	S.	85	85	--	8' scallop dredge
45	28°08'	85°17'	7-15-57	--	17-13	S.	--	--	--	8' scallop dredge
46	28°08'	85°17'	7-15-57	--	20	--	82	87	--	8' scallop dredge
47	28°06'	85°15'	7-15-57	1317-1415	18-23	S.Sp.	82	87	--	8' scallop dredge
48	28°00'	85°15'	7-15-57	1430-1514	23-30	S.Spg.G.	82	84	--	8' scallop dredge
49	28°59'	85°13'	7-15-57	1524-1605	30-36	S.G.Sp.	81	85	--	8' scallop dredge
50	28°58'	85°20'	7-15-57	1628-1715	38-44	S.G.Sp.	82	85	--	8' scallop dredge
51	28°33'	85°28'	7-15-57	1910-2015	91-104	--	83	84	--	8' scallop dredge
52	28°38'	84°25'	7-16-57	0555-0636	21	--	--	--	--	8' scallop dredge
53	28°33'	84°24'	7-16-57	--	22-20	Sp.Rk.Co.G.S.	80	83	--	8' scallop dredge
54	28°08'	83°50'	7-16-57	1148-1227	20	--	85	85	--	8' scallop dredge
55	28°08'	83°48'	7-16-57	1405-1435	18-19	--	85	85	--	8' scallop dredge
56	--	--	7-16-57	--	--	--	--	--	--	Trap lift net
57	--	--	7-17-57	--	5	S.	--	--	--	8' scallop dredge
58	27°28'	82°48'	7-17-57	0800-0830	4-3	--	85	85	--	8' scallop dredge
59	27°30'	82°46'	7-17-57	0855-0930	3	S.G.Sh.	82	84	--	8' scallop dredge
60	27°11'	82°33'	7-17-57	1300-1330	3	--	84	85	--	8' scallop dredge
61	26°54'	82°33'	7-17-57	1400-1430	6	S.Sh.	81	85	--	8' scallop dredge
62	26°55'	82°38'	7-17-57	--	2, 5	S.Sh.	84	85	--	Quahog dredge #2
63	26°40'	82°20'	7-17-57	1715-1738	6	S.Sh.	81	85	--	8' scallop dredge
64	--	--	7-17/18-57	--	--	--	--	--	--	--
65	26°22'	82°05'	7-18-57	0930-1000	3	--	--	--	--	--
66	26°21'	82°05'	7-18-57	1020-1050	2, 5	--	--	--	--	8' scallop dredge
67	26°20'	82°03'	7-18-57	--	--	S.	81	84	--	8' scallop dredge
68	26°17'	82°02'	7-18-57	1240-1305	6	Rk.Sp.Sh.	81	84	--	8' scallop dredge
69	26°13'	82°05'	7-18-57	1350-1420	7	M.S.Sp.	--	--	--	8' scallop dredge
70	26°07'	81°52'	7-18-57	1605-1640	3, 5	M.Sh.	83	85	--	8' scallop dredge
71	25°26'	81°40'	7-18-57	2020-2050	4, 5	--	82	85	--	8' scallop dredge
72	25°14'	81°41'	7-18-57	--	5	--	--	--	--	Dip net
73	24°54'	81°30'	7-19-57	--	4½-5	--	83	85	--	8' scallop dredge
74	24°42'	81°37'	7-19-57	--	5	--	--	--	--	8' scallop dredge
75	24°49'	81°47'	7-19-57	0820-0840	8	M.Sh.	84	85	--	8' scallop dredge
76	24°48'	81°48'	7-19-57	0850-0920	8	--	82	85	--	8' scallop dredge
77	24°40'	81°51'	7-19-57	0945-1015	8	--	82	85	--	8' scallop dredge
78	24°44'	82°02'	7-19-57	1050-1120	9-7	--	84	86	--	8' scallop dredge
79	24°45'	82°06'	7-19-57	1205-1235	10	M.Sh.	84	86	--	8' scallop dredge
80	26°15'	82°53'	7-24-57	1700-1735	20-19	--	86	--	--	8' scallop dredge
81	26°20'	82°46'	7-24-57	1845-1820	15½-15	--	82	82	--	8' scallop dredge
82	26°46'	82°53'	7-24-57	2140-2220	17	--	82	83	--	8' scallop dredge
83	27°40'	83°41'	7-25-57	0615-0650	22	--	81	82	--	8' scallop dredge
84	27°56'	83°30'	7-25-57	--	16-15	--	83	84	--	8' scallop dredge
85	28°05'	83°20'	7-25-57	1035-1110	12	--	80	84	--	8' scallop dredge
86	28°17'	82°42'	7-25-57	1405-1440	16-17	--	82	84	--	8' scallop dredge
87	28°15'	84°15'	7-25-57	1845-1820	13-15	--	82	--	--	8' scallop dredge
88	29°02'	84°43'	7-26-57	0500-0535	20-19	--	82	--	--	8' scallop dredge
89	29°02'	84°50'	7-26-57	0548-0625	21-20	--	82	--	--	8' scallop dredge
90	29°04'	84°51'	7-26-57	0635-0712	20-13	--	82	--	--	8' scallop dredge
91	29°06'	84°52'	7-26-57	0726-0805	19	--	80	82	--	8' scallop dredge
92	29°05'	85°05'	7-26-57	1016-1045	17-18	--	81	--	--	8' scallop dredge
93	28°04'	85°16'	7-26-57	1050-1125	21-13	--	83	84	--	8' scallop dredge
94	28°06'	85°17'	7-26-57	1140-1215	19	--	82	84	--	8' scallop dredge
95	28°07'	85°16'	7-26-57	1225-1300	19	--	--	--	--	8' scallop dredge
96	28°06'	85°16'	7-26-57	1415-1450	20	--	82	84	--	8' scallop dredge
97	28°06'	85°14'	7-26-57	1400-1436	19	--	82	84	--	8' scallop dredge
98	28°07'	85°12'	7-26-57	1450-1525	20	--	81	84	--	8' scallop dredge
99	28°07'	85°14'	7-26-57	1540-1615	20-21	--	81	84	--	8' scallop dredge
100	28°10'	85°48'	7-26-57	2015-2115	55-71	--	81	--	--	8' scallop dredge

Table 4.--M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
							° F.	° F.	° F.	
						Fathoms				
101	29°08'	85°51'	7-27-57	0550-0650	33-100	--	81	83	--	8' scallop dredge
102	29°10'	85°56'	7-27-57	0715-0815	100-110	--	81	83	--	8' scallop dredge
103	29°10'	85°59'	7-27-57	0845-0945	110-117	--	80	83	--	8' scallop dredge
104	29°10'	86°05'	7-27-57	1010-1045	116-117	--	80	83	--	8' scallop dredge
105	29°12'	86°04'	7-27-57	1115-1215	111-105	--	80	83	--	8' scallop dredge
106	29°13'	86°06'	7-27-57	1320-1450	105-30	--	83	85	--	52' balloon trawl
107	29°09'	86°03'	7-27-57	1530-1705	87-76	--	83	84	--	52' balloon trawl
108	29°21'	86°07'	7-27-57	1745-1915	71-52	--	82	84	--	52' balloon trawl
109	29°35'	86°00'	7-28-57	0545-0715	23	--	80	83	--	52' balloon trawl
110	29°43'	85°59'	7-28-57	0740-0920	23-19	--	81	84	--	52' balloon trawl
111	29°48'	85°55'	7-28-57	0945-1115	19-18	--	80	84	--	52' balloon trawl
112	30°14'	86°00'	7-29-57	--	3	--	--	--	--	Bait lift net
113	29°27'	84°58'	8-14-57	--	7	S.	85	--	--	14 tooth quahog dredge
114	29°30'	84°57'	8-14-57	--	5	S.	85	--	--	14 tooth quahog dredge
115	29°44'	84°37'	8-14-57	1515-1530	3.5-4	S.M.	85	--	--	14 tooth quahog dredge
116	27°35'	82°41'	8-17-57	0914-0930	4	--	87	87	--	Quahog dredge
117	27°35'	82°42'	8-17-57	0935-0951	4	--	87	87	--	Quahog dredge
118	27°35'	82°44'	8-17-57	1006-1020	4	--	87	87	--	Quahog dredge
119	27°30'	82°48'	8-17-57	1045-1115	3	S.	86	87	--	Quahog dredge
120	27°34'	82°50'	8-17-57	1121-1200	3	S.	86	87	--	Quahog dredge
121	27°44'	82°46'	8-17-57	1300-1323	3	S.	86	87	--	--
122	27°35'	82°50'	8-17-57	1325-1345	4	S.	86	87	--	Quahog dredge
123	27°43'	82°47'	8-17-57	1400-1420	4	S.	85	87	--	2 quahog dredges
124	27°38'	82°51'	8-17-57	1432-1452	4	S.	86	87	--	Quahog dredge
125	27°44'	82°46'	8-17-57	1510-1530	4	S.	86	87	--	2 quahog dredges
126	27°34'	82°50'	8-17-57	1541-1601	4	S.	86	87	--	Quahog dredge
127	27°42'	82°17'	8-17-57	1612-1630	4	S.	86	87	--	Quahog dredge
128	27°44'	82°45'	8-17-57	1635-1705	4	S.	86	87	--	2 quahog dredges
129	27°20'	82°38'	8-17/18-57	--	5	--	85	87	--	Dip net
130	27°19'	82°37'	8-18-57	--	4	M.S.	86	86	--	2 quahog dredges
131	27°15'	82°34'	8-18-57	0730-0800	4-5	M.S.	86	87	--	2 quahog dredges
132	27°06'	82°31'	8-18-57	0915-0945	4-5	M.S.	86	--	--	2 quahog dredges
133	26°55'	82°21'	8-18-57	1040-1110	4	M.Rk.S.	86	--	--	2 quahog dredges
134	26°50'	82°20'	8-18-57	1130-1205	4	M.S.	86	87	--	Quahog dredge
135	26°48'	82°18'	8-18-57	1215-1245	4	M.S.	86	87	--	Quahog dredge
136	26°48'	82°20'	8-18-57	1443-1510	4	M.S.	86	87	--	2 quahog dredges
137	27°43'	82°46'	8-19-57	0620-0650	3	S.	86	87	--	2 quahog dredges
138	27°44'	82°46'	8-19-57	0655-0715	4	M.Co.S.	86	87	--	2 quahog dredges
139	27°38'	82°47'	8-19-57	--	4	M.	86	--	--	2 quahog dredges
140	27°37'	82°46'	8-19-57	0810-0840	4	M.S.	86	87	--	2 quahog dredges
141	27°38'	82°51'	8-19-57	0850-0920	4	M.S.	86	87	--	2 quahog dredges
142	27°37'	82°48'	8-19-57	0930-1000	4	M.	86	87	--	2 quahog dredges
143	27°38'	82°51'	8-19-57	1010-1050	4	M.	86	87	--	2 quahog dredges
144	27°44'	82°46'	8-19-57	1100-1130	4	M.	86	87	--	2 quahog dredges
145	27°46'	82°44'	8-19-57	1140-1220	4	M.	87	87	--	2 quahog dredges
146	27°44'	82°46'	8-19-57	1230-1300	4	M.	86	87	--	2 quahog dredges
147	--	--	8-19-57	1455-1515	4-5	M.	86	87	--	2 quahog dredges
148	28°03'	82°52'	8-20-57	1655-1715	4	--	81	86	--	2 quahog dredges
149	28°11'	82°56'	8-20-57	1815-1845	4	--	81	86	--	2 quahog dredges
150	28°22'	82°56'	8-20-57	2000-2030	3	--	81	86	--	2 quahog dredges
151	28°56'	83°10'	8-21-57	0825-0845	4	--	81	86	--	2 quahog dredges
152	29°01'	83°21'	8-21-57	1015-1115	6	--	85	81	--	52' roller net
153	29°01'	83°45'	8-21-57	1345-1445	11	--	85	82	--	52' roller trawl
154	28°58'	84°44'	8-22-57	0655-0820	76-61	--	82	81	--	52' roller trawl
155	29°02'	85°46'	8-22-57	0805-1030	81-67	--	84	81	--	52' roller trawl
156	29°04'	85°49'	--	--	100-102	--	86	82	--	52' roller trawl
157	29°12'	86°06'	--	--	116	--	85	81	--	52' roller trawl
158	29°32'	86°04'	8-23-57	0725-0835	40	--	80	--	--	52' roller trawl
159	29°36'	86°01'	8-23-57	0950-1120	23-22	--	82	82	--	52' roller trawl
160	29°36'	85°54'	8-23-57	1145-1315	22-21	--	85	82	--	52' roller trawl
161	29°38'	85°53'	8-23-57	1335-1505	21-18	--	86	83	--	52' roller trawl
162	29°40'	85°50'	8-23-57	1535-1720	18-16	--	83	81	--	52' roller trawl
163	29°44'	85°44'	8-23-57	1745-1905	16	S.Sh.	78	81	--	52' roller trawl
164	29°54'	85°48'	8-24-57	0715-0845	17-15	--	76	80	--	52' fish trawl
165	30°12'	86°32'	8-28-57	1122-1220	4	--	85	--	--	52' fish trawl
166	30°12'	86°36'	8-28-57	1242-1340	4	M.S.	85	83	--	52' fish trawl
167	30°12'	86°40'	8-28-57	1412-1540	4	M.S.	85	83	--	52' fish trawl
168	30°00'	86°21'	8-28-57	1602-1730	4	--	85	--	--	52' fish trawl
169	30°11'	86°31'	8-28-57	2120-2245	4	--	84	--	--	52' fish trawl
170	30°00'	86°21'	8-28-57	--	15	--	84	--	--	52' fish trawl
171	30°00'	86°21'	8-29-57	0620-0820	16	M.	83	85	--	52' fish trawl
172	29°51'	86°12'	8-29-57	0845-1045	17	M.	82	--	--	52' fish trawl
173	29°46'	86°11'	8-29-57	1115-1245	18	--	82	--	--	52' fish trawl
174	29°43'	86°11'	8-29-57	1325-1455	21	M.	82	--	--	52' fish trawl
175	28°05'	90°52'	9-20-57	1245-1415	100	gn.M.	84	--	--	60/78' net
176	28°06'	90°58'	9-20-57	1520-1650	75	gn.M.	84	--	--	60/78' net
177	28°06'	90°43'	9-20-57	1812-1935	75	gn.M.	82	--	--	60/78' net
178	28°11'	90°51'	9-21-57	0545-0715	45	--	86	--	--	76/96' net
179	28°06'	91°09'	9-21-57	1045-1215	75-100	G.M.S.	84	--	--	76/96' net
180	28°05'	91°40'	9-21-57	1707-1840	60	--	84	--	--	76/96' net
181	28°04'	92°05'	9-22-57	0605-0740	43	S.M.	82	--	--	76/96' net
182	28°07'	92°37'	9-22-57	1110-1240	49	--	86	--	--	76/96' net
183	27°53'	93°00'	9-22-57	1645-1715	100	--	84	--	--	76/96' net
184	28°06'	93°24'	9-23-57	0815-1015	44	M.	78	--	--	60/78' net
185	28°17'	93°45'	9-23-57	1455-1625	32	--	80	--	--	60/78' net
186	28°10'	94°17'	9-23-57	1735-1805	27	S.Sh.	80	--	--	60/78' net
187	28°30'	94°97'	9-25-57	0605-0735	19	M.Sh.	78	--	--	76/96' net
188	28°28'	95°00'	9-27-57	0605-0805	21	M.Sh.	76	--	--	76/96' net
189	28°27'	95°02'	9-27-57	0835-1035	20	M.Sh.	80	--	--	76/96' net
190	28°07'	95°03'	9-27-57	1225-1355	30	M.Sh.	80	--	--	76/96' net
191	28°09'	95°04'	9-27-57	1425-1555	32	M.Sh.	82	--	--	76/96' net
192	28°04'	95°05'	9-27-57	1615-1815	34	M.	84	--	--	76/96' net
193	27°51'	95°30'	9-29-57	0610-0745	41-45	M.Sh.	78	--	--	76/96' net
194	27°50'	95°25'	9-29-57	0840-0910	43-45	M.S.	80	--	--	60/78' net
195	27°52'	95°20'	9-29-57	1120-1250	44	M.Sh.	82	--	--	60/78' net
196	27°50'	95°25'	9-29-57	1315-1330	44	--	82	--	--	60/78' net
197	29°49'	95°26'	9-29-57	1625-1720	44	M.Sh.	82	--	--	60/78' net
198	27°54'	95°24'	9-30-57	0630-0830	43	--	76	--	--	76/96' net
199	27°55'	95°20'	9-30-57	0855-1055	43	M.Sh.	82	--	--	76/96' net
200	27°59'	95°15'	9-30-57	1115-1310	43-46	M.S.	84	--	--	76/96' net

Table 4.--M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		° F.	° F.	° F.	
201.	27°59'	95°10'	9-30-57	1550-1550	45	M.	80	--	--	76/96' net
202	27°59'	95°05'	9-30-57	1600-1800	45	M.	78	--	--	76/96' net
203	28°01'	95°00'	10-1-57	0615-0815	41-57	M.	76	--	--	76/96' net
204	28°05'	94°52'	10-1-57	0935-1135	34-44	M.	80	--	--	76/96' net
205	28°00'	94°51'	10-1-57	1200-1400	45	M.	80	--	--	76/96' net
206	28°00'	94°48'	10-1-57	1420-1620	50-47	M.	80	--	--	76/96' net
207	27°59'	94°49'	10-1-57	1645-1845	47-38	M.	78	--	--	76/96' net
208	28°05'	94°57'	10-2-57	0600-0800	38-33	M.	76	--	--	76/96' net
209	28°04'	94°54'	10-2-57	0850-1030	53	M.	80	--	--	76/96' net
210	28°05'	94°51'	10-2-57	1045-1245	55	M.	80	--	--	76/96' net
211	29°43'	80°09'	11-20-57	0728-1028	200	gn.M.	70	--	--	40' flat trawl
212	29°29'	80°07'	11-20-57	1135-1435	200	gn.M.	74	--	--	40' flat trawl
213	29°20'	80°06'	11-20-57	1530-1830	200-210	gn.M.	72	--	--	40' flat trawl
214	29°56'	80°12'	11-20-57	2352-0352	160	gn.M.	64	--	--	40' flat trawl
215	29°48'	80°14'	11-21-57	--	--	--	--	--	--	Drift net
216	29°43'	80°09'	11-21-57	0805-1005	200	gn.M.	68	--	--	96/126' balloon trawl
217	29°41'	80°08'	11-21-57	1120-1420	180-200	gn.M.	72	--	--	96/126' balloon trawl
218	29°58'	80°11'	11-21-57	1515-1815	220	gn.M.	78	--	--	96/126' balloon trawl
219	29°34'	80°09'	11-21-57	1915-2215	190	gn.M.	72	78	--	65' flat trawl
220	29°29'	80°09'	11-22-57	0027-0500	180	gn.M.	72	78	--	65' flat trawl
221	29°21'	80°06'	11-22-57	0610-0910	180	gn.M.	72	--	--	65' flat trawl
222	29°09'	80°05'	11-25-57	2018-2048	95	gn.M.	76	--	--	65' flat trawl
223	29°14'	80°05'	11-25-57	2155-2240	135	gn.M.	76	79	--	65' flat trawl
224	29°29'	80°09'	11-24-57	0035-0235	180	gn.M.	78	77	--	65' flat trawl
225	29°27'	80°13'	11-24-57	0345-0700	180	gn.M.	78	77	--	65' flat trawl
226	29°25'	80°07'	11-24-57	0757-0957	190	gn.M.	78	--	--	65' flat trawl
227	29°22'	80°05'	11-24-57	1112-1512	200	gn.M.	88	--	--	65' flat trawl
228	30°04'	80°10'	11-24-57	1817-2017	190	gn.M.	75	79	--	65' flat trawl
229	30°03'	80°10'	11-24-57	2112-2312	200	--	77	--	--	65' flat trawl
230	30°00'	80°10'	11-25-57	0000-0355	205-210	gn.M.	78	79	--	65' flat trawl
231	29°16'	80°05'	11-28-57	0710-0910	200	gn.M.	71	78	--	65' flat trawl
232	29°14'	80°02'	11-28-57	1009-1210	225-250	gn.M.	--	78	--	65' flat trawl
233	29°13'	80°04'	11-28-57	1350-1550	160	M.	78	--	--	40' flat trawl
234	29°11'	80°03'	11-28-57	1641-1841	170-180	gn.M.	--	79	--	40' flat trawl
235	28°51'	79°56'	11-28-57	2307-0107	200	M.	77	73	--	40' flat trawl
236	28°49'	79°53'	11-29-57	0210-0510	180-190	gn.M.	76	--	--	40' flat trawl
237	29°41'	79°53'	11-29-57	0606-0806	200-225	M.	76	--	--	40' flat trawl
238	28°22'	80°26'	11-29-57	1307-1405	8	br.S.	78	--	--	96/126' balloon trawl
239	28°18'	80°29'	11-29-57	1507-1607	8	S.M.	76	--	--	96/126' balloon trawl
240	28°22'	80°26'	11-29-57	1625-1725	8	S.M.	76	--	--	96/126' balloon trawl
241	28°21'	80°55'	11-30-57	0723-0820	6	S.M.	72	--	--	96/126' balloon trawl
242	28°12'	80°54'	11-30-57	0845-1015	6	S.M.	74	--	--	96/126' balloon trawl
243	28°12'	80°54'	11-30-57	1040-1210	6	S.M.	71	--	--	96/126' balloon trawl
244	28°12'	80°54'	11-30-57	1225-1355	6	S.M.	75	74	--	96/126' balloon trawl
245	28°16'	80°54'	12-2-57	1329-1429	6	S.M.	62	--	--	2 40' flat trawls
246	28°18'	80°54'	12-2-57	1503-1515	6	S.M.	70	--	--	2 40' flat trawls
247	28°17'	80°54'	12-2-57	1548-1648	6	S.M.	72	--	--	96/126' balloon trawl
248	28°16'	80°54'	12-2-57	1708-1908	6	S.M.	70	--	--	96/126' balloon trawl
249	29°33'	80°12'	12-3-57	--	180-190	gn.M.	65	76	--	96/126' balloon trawl
250	29°28'	80°06'	12-3-57	0916-1216	200	gn.M.	75	--	--	96/126' balloon trawl
251	29°26'	80°06'	12-3-57	1404-1704	200	gn.M.	76	76	--	96/126' balloon trawl
252	29°23'	80°04'	12-3-57	1844-2145	200	M.	70	76	--	40' flat trawl
253	29°25'	80°06'	12-3-57	2332-0232	200-210	gn.M.	72	--	--	40' flat trawl
254	29°25'	80°06'	12-4-57	0349-0650	200-210	gn.M.	68	77	--	40' flat trawl
255	29°20'	80°05'	12-4-57	0808-1110	200-210	M.	68	77	--	40' flat trawl
256	28°51'	95°12'	1-26-58	0848-0948	10	M.	54	--	--	52/72' roller net
257	28°47'	95°18'	1-26-58	1053-1225	10	M.	58	--	--	52/72' roller net
258	28°07'	95°53'	1-26-58	1749-1930	20	M.	60	54	--	52/72' roller net
259	27°47'	96°11'	1-26/27-58	--	36	--	65	64	--	Dip station
260	27°49'	96°10'	1-27-58	0719-0845	38	M.	64	64	--	52/72' roller net
261	27°49'	96°10'	1-27-58	0915-1045	40	M.	68	--	--	52/72' roller net
262	27°45'	96°13'	1-27-58	1115-1210	40	--	72	--	--	52/72' roller net
263	27°42'	96°18'	1-27-58	1350-1520	55	M.	66	--	--	76/96' roller net
264	27°37'	96°19'	1-27-58	1625-1810	45	M.	69	--	--	76/96' roller net
265	27°09'	96°48'	1-28-58	0635-0740	52	M.	65	--	--	76/96' roller net
266	27°04'	96°45'	1-28-58	0850-1020	45	M.	65	62	--	76/96' roller net
267	27°04'	96°59'	1-28-58	1105-1220	47	--	68	62	--	76/96' roller net
268	26°24'	96°41'	1-28-58	1700-1830	25	M.	62	57	--	76/96' roller net
269	26°08'	96°48'	1-29-58	0605-0805	25	M.	56	58	--	76/96' roller net
270	26°04'	96°50'	1-29-58	0830-0945	23	Co.S.	56	59	--	76/96' roller net
271	26°02'	96°50'	2-1-58	1107-1237	23	Co.S.	75	61	68.5	76/96' roller net
272	26°05'	96°50'	2-1-58	1300-1410	25	Co.S.	66	64.4	68.7	76/96' roller net
273	26°26'	97°00'	2-1-58	1720-1820	18	Co.S.	66	62.2	66.3	76/96' roller net
274	27°49'	96°15'	2-2-58	0750-0840	53-55	Co.S.	60	66.5	66.2	76/96' roller net
275	27°47'	96°11'	2-2-58	0910-1025	55	M.S.	64	66	63.5	76/96' roller net
276	27°45'	96°10'	2-2-58	1045-1215	40-45	M.S.	62	68	63.5	76/96' roller net
277	27°44'	96°08'	2-2-58	1240-1400	45-40	S.M.	77	--	--	76/96' roller net
278	27°44'	96°04'	2-2-58	1435-1545	40	M.S.	85	--	--	76/96' roller net
279	27°43'	95°59'	2-2-58	1605-1730	45-50	M.S.	76	--	--	76/96' roller net
280	27°45'	95°56'	2-2-58	1800-1940	50-42	M.	66	--	--	76/96' roller net
281	27°45'	95°46'	2-2-58	2035-2200	40	M.	65	--	--	52/72' roller net
282	27°37'	95°31'	2-5-58	0725-0845	100-45	S.M.	60	--	--	52/72' roller net
283	27°45'	95°40'	2-5-58	0925-1120	43-42	M.S.	60	--	--	52/72' roller net
284	27°45'	95°43'	2-5-58	1155-1400	40-50	Co.S.M.	61	--	--	52/72' roller net
285	27°45'	95°43'	2-5-57	1425-1625	40-50	--	62	--	--	52/72' roller net
286	27°46'	95°37'	2-5-58	1645-1845	45	Co.S.	61	--	--	52/72' roller net
287	27°49'	95°48'	2-4-58	0645-0945	30-52	Co.S.	66	--	--	52/72' roller net
288	27°47'	95°45'	2-4-58	0950-1150	35-40	M.	66	--	--	52/72' roller net
289	27°47'	95°42'	2-4-58	1220-1420	40-45	M.	68	--	--	52/72' roller net
290	27°46'	95°58'	2-4-58	1445-1720	45	M.	68	--	--	52/72' roller net
291	27°45'	95°42'	2-5-58	0750-0915	45	M.	68	--	--	52/72' roller net
292	27°46'	95°38'	2-5-58	0945-1115	42-45	M.	68	--	--	52/72' roller net
293	27°47'	95°33'	2-5-58	1155-1325	45-55	M.	68	--	--	52/72' roller net
294	27°54'	95°23'	2-5-58	1505-1655	45	M.	68	--	--	52/72' roller net
295	27°55'	95°17'	2-5-58	1710-1840	45	M.	69	--	--	52/72' roller net
296	29°45'	88°20'	5-12-58	1025-1200	20	M.	64	--	--	60/80' roller net
297	29°41'	88°12'	5-12-58	1340-1510	22	M.	68	--	--	60/80' roller net
298	29°37'	88°10'	3-12-58	1615-1750	20	M.	66	--	--	60/80' roller net
299	29°28'	88°08'	3-13-58	0715-0845	26	G.S.	--	--	--	60/80' roller net
300	29°22'	88°06'	5-13-58	0950-1100	45-55	S.	62	--	--	60/80' roller net



Table 4.--M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		° F.	° F.	° F.	
501	29°18'	86°02'	3-13-58	1130-1300	60-65	M.	--	--	--	60/80' roller net
502	29°25'	87°59'	3-13-58	1430-1530	52-57	--	62	--	--	60/80' roller net
503	29°45'	88°17'	3-14-58	0840-0810	20	M.S.	50	--	--	60/80' roller net
504	29°44'	88°11'	3-14-58	0840-1010	20	M.S.	--	--	--	60/80' roller net
505	29°42'	88°04'	3-14-58	1107-1231	20	M.S.	52	--	--	60/80' roller net
506	29°43'	87°52'	3-14-58	1335-1505	22	M.S.	48	--	--	60/80' roller net
507	29°40'	87°43'	3-14-58	1605-1755	20	M.S.	--	--	--	52/72' roller net
508	29°36'	87°32'	3-15-58	0615-0710	32-35	M.	58	68	--	52/72' roller net
509	29°29'	87°31'	3-15-58	0830-0885	37	--	64	--	--	52/72' roller net
510	29°31'	87°26'	3-15-58	0830-0845	44	gy.S.	68	--	--	52/72' roller net
511	29°39'	87°13'	3-15-58	1350-1515	56	--	70	--	--	52/72' roller net
512	30°03'	86°50'	3-16-58	0630-0800	55	M.S.	60	--	--	52/72' roller net
513	30°03'	86°42'	3-16-58	0855-1015	33-40	S.Sh.	60	--	--	52/72' roller net
514	30°00'	86°37'	3-16-58	1055-1220	30	S.Sh.	65	--	--	52/72' roller net
515	29°50'	86°30'	3-16-58	1405-1535	50-60	S.M.	62	--	--	52/72' roller net
516	29°50'	86°35'	3-17-58	1600-1700	60-70	S.M.	60	--	--	52/72' roller net
517	29°22'	87°35'	3-17-58	--	150	M.	65	--	--	52/72' roller net
518	29°17'	87°38'	3-17-58	1145-1345	250	gn.M.	--	--	--	52/72' roller net
519	29°34'	86°44'	3-21-58	0705-0805	9	Cl.S.	68	--	--	52/72' roller net
520	29°34'	86°38'	3-21-58	0850-0950	9-10	S.Sh.	--	--	--	60/80' roller net
521	29°36'	86°37'	3-21-58	1050-1150	9-12	S.Sh.	--	--	--	60/80' roller net
522	29°40'	86°29'	3-21-58	1250-1350	20	M.S.	61	--	--	--
523	29°45'	86°24'	3-21-58	1450-1550	18	M.S.	65	--	--	60/80' roller net
524	29°05'	86°54'	3-25-58	0635-0735	40-65	M.	--	--	--	60/80' roller net
525	29°05'	86°44'	3-25-58	0935-1035	50	--	--	--	--	60/80' roller net
526	29°06'	86°40'	3-25-58	1100-1200	50	M.	58	--	--	60/80' roller net
527	29°08'	86°41'	3-25-58	1305-1405	50	--	--	--	--	60/80' roller net
528	29°12'	86°55'	3-25-58	1515-1520	32	Co.	--	--	--	--
529	29°16'	86°51'	3-25-58	1630-1755	58	M.S.	--	--	--	60/80' roller net
530	29°14'	86°23'	3-26-58	--	70-75	M.S.	58	--	--	60/80' roller net
531	29°15'	86°16'	3-26-58	--	50	Co.	58	--	--	52/72' roller net
532	29°17'	86°16'	3-26-58	0955-1035	46	M.S.	60	--	--	52/72' roller net
533	29°10'	86°08'	3-26-58	1515-1715	225	M.	60	--	--	40' flat trawl
534	29°12'	87°46'	3-27-58	0750-0950	325	M.S.	--	--	--	60/80' roller net
535	29°24'	86°18'	3-27-58	1430-1530	29	M.Sh.S.	55	--	--	60/80' roller net
536	29°25'	86°20'	3-27-58	1555-1655	30	S.Sh.M.	58	--	--	60/80' roller net
537	29°26'	86°23'	3-27-58	1700-1820	30	M.Sh.S.	56	--	--	60/80' roller net
538	29°23'	86°16'	3-28-58	--	30	S.Sh.M.	64	--	--	60/80' roller net
539	29°25'	86°23'	3-28-58	0835-0940	30-28	M.S.Sh.	62	--	--	60/80' roller net
540	22°17'	91°23'	5-1-58	0715-0720	55	Co.	78	81	--	60/80' roller net
541	21°45'	91°30'	5-1-58	1245-1525	23	S.	83	82	--	60/80' roller net
542	21°42'	91°28'	5-1-58	1345-1515	25	S.SpG.	80	82	--	60/80' roller net
543	21°33'	91°32'	5-1-58	1535-1700	25	S.	82	82	--	60/80' roller net
544	19°43'	91°35'	5-2-58	0745-0858	22	M.	76	82	--	60/80' roller net
545	19°43'	91°42'	5-2-58	1020-1730	21	M.	80	82	--	Arrowhead snapper trap
546	19°48'	91°42'	5-2-58	1150-1155	23	SpG.Rk.	82	82	--	60/80' roller net
547	19°47'	91°45'	5-2-58	1200-1400	23	Rk.	82	82	--	Handline
548	19°47'	91°45'	5-2-58	1300-1400	23-24	Rk.	78	83	--	Arrowhead snapper trap
549	20°02'	91°46'	5-3-58	0915-1015	23	S.Co.	78	83	--	52/72' roller net
550	20°02'	91°47'	5-3-58	1140-1240	23	M.Sh.	80	83	--	52/72' roller net
551	20°06'	91°47'	5-3-58	1300-1430	23	S.Co.	80	83	--	52/72' roller net
552	20°05'	91°49'	5-3-58	1505-1640	23	S.Co.	79	84	--	52/72' roller net
553	20°09'	91°51'	5-3-58	1715-1835	23	S.SpG.	82	84	--	52/72' roller net
554	20°04'	91°55'	5-3-58	1915-2025	23	SpG.	78	84	--	52/72' roller net
555	20°02'	91°57'	5-4-58	0635-0710	25	S.Sh.	76	83	--	52/72' roller net
556	20°03'	91°52'	5-4-58	0935-1050	24	S.SpG.	76	83	--	52/72' roller net
557	20°03'	91°55'	5-4-58	1110-1205	24	S.	75	83	--	52/72' roller net
558	20°02'	91°58'	5-4/7-58	1330-1200(71 1/2 hr)	25-29	S.	75	83	--	5 arrowhead fish traps
559	20°02'	91°59'	5-5-58	0745-0900	32	S.	76	83	--	52/72' roller net
560	20°00'	91°57'	5-5-58	0925-1025	34-36	S.M.	77	83	--	52/72' roller net
561	20°00'	91°57'	5-5-58	1125-1215	27	S.	80	84	--	52/72' roller net
562	20°00'	91°43'	5-5-58	1255-1425	24	S.Sh.	80	84	--	52/72' roller net
563	19°58'	91°42'	5-5-58	1455-1625	23	M.	79	85	--	52/72' roller net
564	19°57'	91°45'	5-5-58	1650-1810	23	SpG.S.	78	84	--	52/72' roller net
565	19°57'	91°40'	5-5-58	1915-2055	17	S.	78	84	--	52/72' roller net
566	19°59'	91°39'	5-6-58	0620-0750	24	S.Sh.	76	83	--	52/72' roller net
567	19°54'	91°40'	5-6-58	0815-0945	24	M.	77	83	--	52/72' roller net
568	20°00'	91°44'	5-6-58	1005-1125	25	M.	77	83	--	52/72' roller net
569	20°06'	91°40'	5-6-58	1150-1320	24	SpG.	78	83	--	52/72' roller net
570	20°08'	91°41'	5-6-58	1345-1505	23	S.SpG.Co.	78	84	--	52/72' roller net
571	20°10'	91°43'	5-6-58	1530-1655	23	Co.Sp.S.	78	84	--	52/72' roller net
572	20°12'	91°45'	5-6-58	1725-1840	24	Sp.S.Co.	78	84	--	52/72' roller net
573	20°02'	91°53'	5-7-58	0600-0700	22	S.	76	83	--	52/72' roller net
574	20°03'	91°51'	5-7-58	0720-0820	22	SpG.	76	83	--	52/72' roller net
575	20°08'	91°50'	5-7-58	0845-0945	22	Sp.	76	83	--	52/72' roller net
576	20°02'	91°55'	5-7-58	1010-1115	25	SpG.	78	84	--	52/72' roller net
577	21°08'	91°39'	5-8-58	0615-0745	23	S.	76	83	--	52/72' roller net
578	21°06'	91°43'	5-8-58	0800-0930	26-25	Co.	76	83	--	52/72' roller net
579	21°05'	91°50'	5-8-58	1010-1215	25	S.Co.	80	83	--	52/72' roller net
580	21°04'	91°54'	5-8-58	1230-1420	26-27	S.Sp.	82	83	--	52/72' roller net
581	21°02'	91°56'	5-8-58	1440-1610	26	S.Sh.	81	83	76	52/72' roller net
582	21°06'	91°56'	5-8-58	1625-1808	26	S.	79	83	--	52/72' roller net
583	21°11'	91°47'	5-8-58	1825-2115	26	S.	79	83	--	52/72' roller net
584	21°35'	91°20'	5-8-58	0725-0825	25	S.	76	83	--	52/72' roller net
585	21°33'	91°18'	5-8-58	0845-1015	25	S.Sh.	77	83	--	52/72' roller net
586	21°44'	91°15'	5-9-58	1130-1300	25	--	78	83	--	52/72' roller net
587	21°47'	91°11'	5-9-58	1330-1500	25	SpG.	78	82	--	52/72' roller net
588	21°44'	91°07'	5-9-58	1525-1655	25 1/2	S.	78	83	--	52/72' roller net
589	21°45'	91°08'	5-9-58	1715-1845	26	S.	76	83	--	--
590	22°18'	90°45'	5-10-58	0725-0825	33-34	M.	76	82	--	52/72' roller net
591	22°22'	90°41'	5-10-58	0850-1015	35-36	M.S.	76	82	--	52/72' roller net
592	22°21'	90°39'	5-10-58	1050-1150	35-36	M.S.	80	82	--	52/72' roller net
593	22°26'	90°24'	5-10-58	1325-1445	40	S.SpG.	80	82	--	52/72' roller net
594	22°24'	90°17'	5-10-58	1640-1800	35	Sp.	78	82	--	52/72' roller net
595	22°22'	90°16'	5-10-58	1825-2000	30	Sp.	78	82	--	52/72' roller net
596	22°22'	90°17'	5-10-58	--	30	--	78	82	--	Dip station
597	22°22'	90°15'	5-11-58	0615-0715	30	hrd.Co.S.	76	81	--	52/72' roller net
598	22°29'	90°03'	5-11-58	1100-1225	37	Sh.S.	80	82	--	52/72' roller net
599	22°30'	90°00'	5-11-58	1245-1420	40	Sh.S.	80	83	--	52/72' roller net
600	22°32'	89°55'	5-11-58	1445-1620	40	S.Sh.	80	83	--	52/72' roller net

Table 4.--M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		° F.	° F.	° F.	
401	22°54'	89°56'	5-11-58	1640-1810	42	S.Sh.	80	83	--	52/72' roller net
402	22°23'	89°53'	5-11-58	1835-2035	30	S.Spg.	78	84	--	52/72' roller net
403	22°12'	89°57'	5-11-58	2200-0100	27	--	78	84	--	Dip station
404	22°13'	89°43'	5-12-58	0620-0720	25	S.	76	82	--	52/72' roller net
405	22°13'	89°42'	5-12-58	0835-0955	25	Co.S.	90	82	--	52/72' roller net
406	22°13'	89°42'	5-12-58	1020-1155	24	Co.S.	90	82	--	52/72' roller net
407	22°13'	89°43'	5-12/13-58	1530-1820(26 hrs)	27	--	80	82	--	3 arrowhead snapper traps
408	22°13'	89°45'	5-12-58	1530-1620	27	--	80	82	--	Handlines
409	22°13'	89°47'	5-12/13-58	1640-1825(26hrs)	27	--	82	82	--	Gill net
410	22°13'	89°50'	5-12-58	1800-2000	27	--	78	82	--	Dip station
411	22°09'	89°53'	5-14-58	0555-0725	23	S.	76	81	--	52/72' roller net
412	22°16'	89°54'	5-14-58	0755-0925	25	S.	76	81	--	52/72' roller net
413	22°18'	89°54'	5-14-58	0950-1050	26	S.Sh.	78	82	--	52/72' roller net
414	22°21'	89°48'	5-14-58	1140-1240	27	--	80	82	--	52/72' roller net
415	22°26'	89°43'	5-14-58	1340-1520	26	S.	78	83	--	52/72' roller net
416	22°31'	89°39'	5-14-58	1545-1705	29	--	76	83	--	52/72' roller net
417	22°34'	89°36'	5-14-58	1730-1900	30	S.	76	83	--	52/72' roller net
418	22°37'	89°37'	5-14-58	1925-2050	30	S.	76	82	--	52/72' roller net
419	22°45'	89°10'	5-15-58	0540-0720	33	S.Sh.	80	82	--	52/72' roller net
420	22°49'	89°13'	5-15-58	0740-0915	33	Co.Sh.	83	83	--	52/72' roller net
421	22°51'	89°08'	5-15-58	1000-1050	29	--	80	83	--	52/72' roller net
422	22°50'	89°13'	5-15-58	1410-1510	29	--	80	84	--	52/72' roller net
423	22°27'	89°11'	5-15-58	1540-1640	29	--	80	84	--	52/72' roller net
424	22°25'	89°08'	5-15-58	1705-1835	29	S.	78	84	--	52/72' roller net
425	23°00'	87°40'	5-16-58	0800-0900	35	--	76	83	--	Handlines
426	22°55'	87°47'	5-16-58	0910-1010	37	Co.S.	86	83	--	52/72' roller net
427	22°56'	87°53'	8-16-58	1105-1205	42	Co.S.	84	83	--	52/72' roller net
428	23°04'	88°02'	5-16-58	1305-1405	42-44	Co.S.	86	83	--	52/72' roller net
429	23°10'	88°10'	5-16-58	1505-1605	46	--	78	83	--	52/72' roller net
430	23°12'	88°13'	5-16-58	1625-1730	47	Co.S.	82	83	--	52/72' roller net
431	23°13'	89°00'	5-17-58	0550-0705	57	S.	79	83	--	52/72' roller net
432	23°10'	89°05'	5-17-58	0725-0825	60-66	S.	86	83	--	52/72' roller net
433	23°16'	89°10'	5-17-58	0910-1010	71-75	S.	82	83	--	52/72' roller net
434	23°22'	89°06'	5-17-58	1110-1240	80-85	S.	85	83	--	52/72' roller net
435	23°24'	89°01'	5-17-58	1420-1426	42	Co.S.	86	83	--	52/72' roller net
436	23°44'	88°12'	5-18-58	0600-0645	42	Co.	75	83	--	52/72' roller net
437	23°37'	88°58'	5-18-58	0905-1025	50-66	Co.S.	90	85	--	52/72' roller net
438	23°36'	87°54'	5-18-58	1050-1220	68	Co.S.	84	82	--	52/72' roller net
439	23°26'	79°18'	6-8-58	1900-2100	280	Co.S.	74	--	--	40' flat trawl
440	23°21'	79°15'	6-8-58	2200-2350	240	Co.S.	78	--	--	40' flat trawl
441	23°39'	79°15'	6-9-58	0240-0440	275-300	Co.S.	79	--	--	40' flat trawl
442	23°53'	79°09'	6-9-58	0705-0905	375	S.Co.	80	--	--	40' flat trawl
443	27°59'	78°56'	6-9-58	1150-1255	480	Co.S.	88	--	--	40' flat trawl
444	27°58'	78°41'	6-9-58	1620-1745	520	Co.S.	78	--	--	40' flat trawl
445	28°03'	78°44'	6-9-58	1925-2225	500-520	Co.S.	78	--	--	40' flat trawl
446	28°25'	78°24'	6-10-58	0340-0550	590	Co.S.	74	--	--	40' flat trawl
447	28°35'	79°38'	6-10-58	1535-1800	385	Co.S.	82	--	--	40' flat trawl
448	28°38'	79°38'	6-10-58	2020-2325	325-360	gy.M.	82	--	--	40' flat trawl
449	28°42'	79°48'	6-11-58	0055-0225	280-315	gy.M.	76	--	--	40' flat trawl
450	28°52'	79°46'	6-11-58	0405-0540	350	Co.S.	88	--	--	40' flat trawl
451	29°48'	79°07'	6-11-58	1450-1600	450	S.Co.	79	--	--	40' flat trawl
452	29°54'	79°02'	6-11-58	1740-2030	430	gy.S.	76	--	--	40' flat trawl
453	29°56'	78°26'	6-12-58	0215-0400	480	Co.S.	79	--	--	40' flat trawl
454	29°19'	79°58'	6-12-58	1455-1745	330	gy.M.	88	--	--	40' flat trawl
455	29°18'	79°59'	6-12-58	1825-2110	260	gy.M.	84	--	--	40' flat trawl
456	29°27'	80°06'	6-13-58	2340-0040	220	gy.M.	80	--	--	40' flat trawl
457	29°41'	80°05'	6-13-58	0200-0400	200	gy.M.	--	--	--	40' flat trawl
458	29°42'	80°10'	6-13-58	0515-0715	120	gy.M.	80	--	--	40' flat trawl
459	29°40'	80°13'	6-13-58	0750-0950	100	gy.M.	80	--	--	40' flat trawl
460	29°58'	80°14'	6-13-58	1025-1125	75	gy.M.	93	--	--	40' flat trawl
461	30°58'	80°16'	6-13-58	1205-1305	50	gy.M.Co.	92	--	--	40' flat trawl
462	30°20'	79°55'	6-13-58	1915-2200	300	Co.S.	80	--	--	40' flat trawl
463	29°59'	80°11'	6-15/16-58	2310-0210	180	gn.M.	--	--	--	40' flat trawl
464	29°55'	80°10'	6-16-58	0315-0615	200	M.	75	--	--	40' flat trawl
465	29°56'	80°12'	6-16-58	0900-1200	200	M.	79	--	--	65' flat trawl
466	29°57'	80°10'	6-16-58	1415-1720	180	M.	82	--	--	96/126' balloon net
467	29°50'	80°11'	6-16-58	1830-2130	180	--	--	--	--	96/126' balloon net
468	29°46'	80°12'	6-16/17-58	2335-0340	180	M.	79	--	--	65' balloon trawl
469	29°56'	80°10'	6-17-58	0350-0710	190-200	M.	80	--	--	65' balloon trawl
470	29°48'	80°12'	6-17-58	1020-1320	190-200	M.	92	--	--	65' balloon trawl
471	29°38'	80°09'	6-17-58	1415-1715	175-180	M.	85	--	--	65' balloon trawl
472	29°26'	80°08'	6-17-58	1810-2110	180-200	gn.M.	--	--	--	65' balloon trawl
473	30°01'	80°10'	6-18-58	0120-0420	180	M.	80	--	--	65' balloon trawl
474	29°52'	80°10'	6-18-58	0510-0810	200	--	--	--	--	65' balloon trawl
475	30°11'	80°10'	6-18-58	1130-1440	180	M.	82	--	--	65' balloon trawl
476	30°00'	80°10'	6-18-58	1535-1835	180	M.	85	--	--	65' balloon trawl
477	30°00'	80°10'	6-18-58	2020-2320	180	gn.M.	--	--	--	65' balloon trawl
478	29°53'	80°12'	6-19-58	0020-0420	180	M.	60	--	--	65' balloon trawl
479	29°44'	80°11'	6-19-58	0605-0905	180	--	84	--	--	65' balloon trawl
480	30°00'	80°12'	6-19-58	1205-1505	180	M.	84	--	--	65' balloon trawl
481	29°54'	80°11'	6-19-58	1545-1845	180	gn.M.	--	--	--	65' balloon trawl
482	30°00'	80°10'	6-19/20-58	2125-2425	180	--	78	--	--	65' balloon trawl
483	29°56'	80°10'	6-20-58	--	--	--	--	--	--	Dip station
484	30°04'	80°11'	6-20-58	0515-0815	180	--	--	--	--	80' balloon net
485	30°01'	80°10'	6-20-58	0910-1210	180	--	84	--	--	80' balloon net
486	29°56'	80°11'	6-20-58	1340-1640	180-200	--	84	--	--	80' balloon net
487	29°51'	80°11'	6-20-58	1740-2040	180	gn.M.	--	--	--	85' balloon trawl
488	29°46'	80°11'	6-20/21-58	2140-0040	180-190	gn.M.	78	--	--	80' balloon trawl
489	29°45'	80°10'	6-21-58	0340-0640	180-190	gn.M.	--	--	--	85' balloon trawl
490	29°49'	80°11'	6-21-58	0730-1030	180	gn.M.	--	--	--	85' balloon trawl
491	29°58'	80°11'	6-21-58	1325-1625	180-190	M.	84	--	--	85' balloon trawl
492	29°52'	80°11'	6-21-58	1710-2010	180	gn.M.	--	--	--	85' balloon trawl
493	29°55'	80°11'	6-22-58	0030-0330	180	M.	--	--	--	80' balloon trawl
494	29°52'	80°11'	6-22-58	0530-0830	180	M.	80	--	--	85' balloon trawl
495	29°43'	80°11'	6-22-58	0910-1215	180	gn.M.	--	--	--	85' balloon trawl
496	29°58'	80°11'	6-22-58	1455-1755	180	gn.M.	--	--	--	85' balloon trawl
497	29°40'	80°11'	6-22-58	1840-2140	180	gn.M.	--	--	--	85' balloon trawl
498	29°28'	80°14'	6-23-58	1820-1850	4-6	S.Sh.	--	--	--	40' flat trawl
499	29°25'	80°12'	6-23-58	1905-1935	5-7	S.Sh.	--	--	--	40' flat trawl
500	29°27'	80°01'	6-24-58	0335-0350	10-15	--	--	--	--	40' flat trawl

Table 4.--M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		° F.	° F.	° F.	
501	24°53'	80°34'	6-27-58	2205-2305	14-15	--	--	--	--	40' flat trawl
502	24°50'	80°07'	6-27-58	2325-0025	15	S.Sh.	--	--	--	40' flat trawl
503	24°44'	80°47'	6-28-58	0155-0210	15	--	--	--	--	40' flat trawl
504	26°22'	82°05'	7-19-58	0712-0727	4	M.Sh.	83	84	--	2 quahog dredges
505	26°23'	82°05'	7-19-58	0742-0823	4-2½	M.S.	83	84	--	2 quahog dredges
506	26°24'	82°04'	7-19-58	0837-0920	2½	M.S.	84	84	--	2 quahog dredges
507	26°24'	82°02'	7-19-58	0935-1005	3	M.S.	85	84	--	2 quahog dredges
508	26°25'	81°58.5'	7-19-58	1020-1050	3	M.S.	85	84	--	2 quahog dredges
509	26°24'	81°55.5'	7-19-58	--	3	M.S.	85	84	--	2 quahog dredges
510	26°23'	81°55'	7-19-58	1205-1235	3	M.S.	84	84	--	2 quahog dredges
511	26°21'	81°54'	7-19-58	1305-1335	3	M.S.	85	84	86.45	2 quahog dredges
512	26°14'	81°49'	7-19-58	1435-1450	3	M.S.	84	84	--	2 quahog dredges
513	26°08'	81°50'	7-19-58	1520-1535	--	--	--	84	--	2 quahog dredges
514	26°07'	81°50'	7-19-58	1545-1600	3	--	--	84	--	2 quahog dredges
515	26°05.5'	81°48.5'	7-19-58	1620-1650	--	--	82	84	84	1 quahog dredge
516	25°56.6'	81°47'	7-19-58	1803-1820	4	--	--	84	--	1 quahog dredge
517	25°56.5'	81°46'	7-20-58	0605-0620	3	M.S.Sh.	80	84	--	2 quahog dredges
518	25°56'	81°46.5'	7-20-58	0635-0650	3	M.S.Sh.	--	84	--	2 quahog dredges
519	25°55.5'	81°45'	7-20-58	0710-0720	3	M.S.Sh.	84	84	--	2 quahog dredges
520	25°56'	81°46.5'	7-20-58	0735-0750	3	M.S.Sh.	90	84	--	2 quahog dredges
521	25°55.5'	81°44.5'	7-20-58	0800-0815	3	M.S.Sh.	96	84	86.45	2 quahog dredges
522	25°56.5'	81°46.5'	7-20-58	0835-0855	3	M.S.Sh.	96	84	--	2 quahog dredges
523	25°54.5'	81°44.5'	7-20-58	0910-0925	3	S.	84	84	--	2 quahog dredges
524	25°53.5'	81°45'	7-20-58	0945-1000	3	S.	--	84	--	2 quahog dredges
525	25°53.5'	81°43'	7-20-58	1010-1025	3	S.	82	84	--	2 quahog dredges
526	25°50.5'	81°43'	7-20-58	1040-1055	3-20	S.	80	84	86.45	2 quahog dredges
527	25°51'	81°46'	7-20-58	1115-1130	3.5-25	M.S.Sh.	88	84	--	1 quahog dredge
528	25°53'	81°46'	7-20-58	1205-1220	4	M.S.	92	84	--	2 quahog dredges
529	25°56'	81°46'	7-20-58	1250-1305	--	S.Sh.	90	84	--	2 quahog dredges
530	25°56.5'	81°46'	7-20-58	1315-1330	3½	S.Sh.	90	84	--	2 quahog dredges
531	25°56.5'	81°45.5'	7-20-58	1340-1400	3	M.Sh.	88	84	--	2 quahog dredges
532	25°56.5'	81°46'	7-20-58	1410-1435	--	M.Sh.	--	84	--	2 quahog dredges
533	25°58'	81°46.5'	7-20-58	1450-1510	3	M.Sh.	--	84	--	2 quahog dredges
534	26°01'	81°46.5'	7-20-58	1540-1555	3	M.Sh.	88	84	--	2 quahog dredges
535	26°03'	81°48'	7-20-58	1620-1635	3	M.S.Sh.	--	84	--	2 quahog dredges
536	26°25'	82°02'	7-21-58	0550-0605	3	M.Sh.	86	85	85.5	2 quahog dredges
537	26°25.5'	82°03'	7-21-58	0615-0630	3	M.Sh.	--	84	--	2 quahog dredges
538	26°25'	82°03.5'	7-21-58	0640-0655	3	M.Sh.	68	84	--	2 quahog dredges
539	26°25.5'	82°05.5'	7-21-58	0715-0730	3	M.Sh.	--	84	--	1 quahog dredge
540	26°25.5'	82°07.5'	7-21-58	0755-0810	3	S.	90	84	--	2 quahog dredges
541	26°29'	82°12'	7-21-58	0835-0850	3	S.	--	84	--	2 quahog dredges
542	26°33.5'	82°14'	7-21-58	0920-0935	3	S.	--	84	--	2 quahog dredges
543	26°42'	82°19.5'	7-21-58	1100-1115	22	S.	--	84	87.6	2 quahog dredges
544	26°54'	82°21'	7-21-58	1245-1300	20	S.Sh.	95	84	--	2 quahog dredges
545	26°55'	82°22'	7-21-58	1310-1325	20	S.Co.	94	84	--	2 quahog dredges
546	27°00.5'	82°25'	7-21-58	1410-1425	20	M.S.Sh.	--	84	--	2 quahog dredges
547	27°01'	82°25.5'	7-21-58	1440-1510	20	M.S.Sh.	--	84	--	2 quahog dredges
548	27°01'	82°25.5'	7-21-58	1520-1550	20	M.S.Sh.	--	84	--	2 quahog dredges
549	27°41.5'	82°47'	7-22-58	0600-0630	22	Co.S.	84	87	87	2 quahog dredges
550	27°43.5'	82°47'	7-22-58	0645-0700	20	--	84	87	--	2 quahog dredges
551	27°43.5'	82°46.5'	7-22-58	0720-0740	20	S.M.Sh.	--	87	--	2 13-tooth quahog dredges
552	27°42.5'	82°46.5'	7-22-58	0755-0810	20	M.S.Sh.	85	87	--	2 13-tooth quahog dredges
553	27°42'	82°46'	7-22-58	0820-0835	20	M.S.Sh.	86	87	87.8	2 13-tooth quahog dredges
554	27°43'	82°47.5'	7-22-58	0905-0925	--	M.S.Sh.	--	87	--	2 13-tooth quahog dredges
555	27°42'	82°47.5'	7-23-58	0840-0855	20	M.S.Sh.	--	87	--	1 13-tooth quahog dredge
556	27°43.5'	82°46.5'	7-23-58	0910-0925	--	M.S.Sh.	88	87	--	2 13-tooth quahog dredges
557	27°43.5'	82°46.5'	7-23-58	0940-0955	20	M.S.Sh.	--	88.7	88.25	2 13-tooth quahog dredges
558	27°43.5'	82°46.5'	7-23-58	1005-1020	20	M.S.Sh.	--	88	--	1 13-tooth quahog dredge
559	27°42'	82°46'	7-23-58	1035-1050	20	M.S.Sh.	--	88	--	1 13-tooth quahog dredge
560	27°42'	82°47.5'	7-23-58	1100-1115	25	M.S.Sh.	90	88	--	1 13-tooth quahog dredge
561	27°02'	82°26'	7-23-58	1710-1715	--	M.S.Sh.	--	88	--	1 13-tooth quahog dredge
562	27°02'	82°26'	7-24-58	0515-0530	22	M.S.Sh.	82	88	88	1 13-tooth quahog dredge
563	27°03'	82°27'	7-24-58	0535-0540	22	M.S.Sh.	--	88	--	1 13-tooth quahog dredge
564	27°08'	82°28.5'	7-24-58	0620-0635	22	M.S.Sh.	--	88	--	1 13-tooth quahog dredge
565	27°12.5'	82°31.5'	7-24-58	0725-0740	19	S.Sh.	--	88	--	1 13-tooth quahog dredge
566	27°15'	82°34.5'	7-24-58	0810-0825	18	S.	--	88	--	1 13-tooth quahog dredge
567	27°20'	82°36.5'	7-24-58	0850-0905	18	hrd.S.	92	88	--	1 13-tooth quahog dredge
568	27°23.5'	82°39'	7-24-58	0940-0955	19	--	92	88	--	1 13-tooth quahog dredge
569	27°30'	82°43'	7-24-58	1035-1050	22	hrd.S.	92	88	--	1 13-tooth quahog dredge
570	27°28.5'	82°43.5'	7-24-58	--	--	hrd.S.	95	--	--	2 13-tooth quahog dredges
571	28°08'	82°53'	7-24-58	1550-1605	--	S.	--	88.7	87.2	1 13-tooth quahog dredge
572	28°13'	82°53'	7-24-58	1700-1715	23	S.	--	88.7	--	1 13-tooth quahog dredge
573	29°06'	84°47'	7-25-58	0630-0645	18	S.Sh.	--	84	--	8' scallop dredge
574	29°10'	84°56'	7-25-58	0740-0810	15	S.	--	84	--	8' scallop dredge
575	29°24'	85°01'	7-25-58	1025-1055	10	gy.S.	77	84	--	8' scallop dredge
576	29°25'	84°58'	7-25-58	1110-1155	10	S.	88	84	--	8' scallop dredge
577	29°26'	84°54'	7-25-58	1200-1230	10	S.	85	84	78.6	8' scallop dredge
578	29°28'	84°53'	7-25-58	1240-1310	10	S.	84	84	--	8' scallop dredge
579	29°29'	84°49'	7-25-58	1320-1350	10	S.	--	84	--	8' scallop dredge
580	29°30'	84°46'	7-25-58	1405-1435	10	S.	--	84	--	8' scallop dredge
581	29°31'	84°44'	7-25-58	1445-1515	10	Co.Sp.	85	84	--	8' scallop dredge
582	29°33'	84°39'	7-25-58	1525-1555	10	--	--	84	--	8' scallop dredge
583	29°35'	84°37'	7-25-58	1640-1710	15	gy.S.	85	84	--	8' scallop dredge
584	29°24'	84°40'	7-25-58	1730-1800	15	gy.S.	84	84	--	8' scallop dredge
585	29°21'	84°41'	7-25-58	1810-1840	15	S.	--	84	--	8' scallop dredge
586	29°22'	84°44'	7-26-58	0535-0605	15	S.	82	84	--	8' scallop dredge
587	29°21'	84°49'	7-26-58	0650-0730	15	S.	82	84	--	8' scallop dredge
588	29°15'	84°55'	7-26-58	0810-0840	15	S.	85	84	--	8' scallop dredge
589	29°10'	85°00'	7-26-58	0925-0940	15	S.	--	84	--	8' scallop dredge
590	29°10'	85°07'	7-26-58	1025-1055	15	S.	88	84	--	8' scallop dredge
591	29°13'	85°11'	7-26-58	1140-1210	15	S.	88	84	--	8' scallop dredge
592	29°15'	85°17'	7-26-58	1255-1310	17	S.	--	84	--	8' scallop dredge
593	29°24'	85°21'	7-26-58	1410-1420	15	S.	86	84	--	8' scallop dredge
594	29°29'	85°20'	7-26-58	1535-1550	13	S.	--	85	--	8' scallop dredge
595	29°27'	85°30'	7-26-58	1820-1835	10	S.	86	85	--	8' scallop dredge
596	29°28'	85°32'	7-27-58	0530-0600	11-8	S.	88	85	--	8' scallop dredge
597	29°28'	85°36'	7-27-58	0625-0640	10	gy.S.	86	85	--	8' scallop dredge
598	29°28'	85°36'	7-27-58	0725-0740	10	gy.S.	88	85	--	8' scallop dredge
599	29°32'	85°38'	7-27-58	0830-0845	15	gy.S.	90	85	--	8' scallop dredge
600	29°36'	85°32'	7-27-58	0830-0845	10	gy.S.	90	85	--	8' scallop dredge



Table 4.--M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		° F.	° F.	° F.	
601	29°42'	85°31'	7-27-58	0925-0940	10	gy.S.	--	85	--	8' scallop dredge
602	29°44.5'	85°28.5'	7-27-58	1010-1040	10	gy.S.	--	85	--	8' scallop dredge
603	29°46.5'	85°29.5'	7-27-58	--	10	S.	--	85	--	8' scallop dredge
604	29°48'	85°29.5'	7-27-58	1130-1200	6	S.	90	85	--	8' scallop dredge
605	29°48.5'	85°30.5'	7-27-58	1230-1300	10	S.	--	85	--	8' scallop dredge
606	29°45.5'	85°31'	7-27-58	1335-1350	11	S.	--	85	--	8' scallop dredge
607	29°44'	85°30'	7-27-58	1405-1435	11	S.	--	85	--	8' scallop dredge
608	29°42.5'	85°37'	7-27-58	1530-1600	15	gy.S.	--	85	--	8' scallop dredge
609	29°49'	85°37'	7-27-58	1650-1720	11	gy.S.	--	85	--	8' scallop dredge
610	29°48.5'	85°32'	7-28-58	0535-0550	12	gy.S.	82	--	83.5	8' scallop dredge
611	29°49.5'	85°32'	7-28-58	0620-0625	12	S.	88	85	--	8' scallop dredge
612	29°51'	85°35'	7-28-58	0710-0725	13	S.	90	85	--	8' scallop dredge
613	29°52'	85°36.5'	7-28-58	0830-0845	10	S.	--	85	--	8' scallop dredge
614	29°56'	85°41'	7-28-58	0930-0945	11	S.	--	85	--	8' scallop dredge
615	29°57'	85°36.5'	7-28-58	1010-1025	--	S.	--	85	--	8' scallop dredge
616	29°54.5'	85°43'	7-28-58	1150-1200	15	gy.S.	--	85	--	8' scallop dredge
617	29°49'	85°42'	7-28-58	1235-1305	13	S.	--	85	--	8' scallop dredge
618	29°49.5'	85°33.5'	7-28-58	1335-1355	12	S.	--	85	--	8' scallop dredge
619	29°53'	85°35'	7-28-58	1440-1510	12	S.	--	85	--	8' scallop dredge
620	29°58.5'	85°37'	7-28-58	1550-1620	11	S.	--	85	--	8' scallop dredge
621	30°02.5'	85°43'	7-28-58	1710-1750	11	S.	--	85	--	8' scallop dredge
622	29°41'	85°22.5'	7-29-58	0835-0850	20	S.	--	--	--	Quahog dredge
623	29°40'	85°22'	7-29-58	0900-0915	20	S.	--	--	--	2 quahog dredges
624	29°43'	85°23.5'	7-29-58	0950-1015	20	S.	92	--	--	Quahog dredge
625	29°48'	85°25'	7-29-58	1040-1055	20	S.	--	--	--	Quahog dredge
626	29°49.5'	85°31.5'	7-29-58	1205-1235	--	S.	--	85	--	8' scallop dredge
627	29°51'	85°32.5'	7-29-58	1245-1330	11	S.	--	85	--	8' scallop dredge
628	29°58'	85°33'	7-29-58	1505-1520	20	S.	--	84	--	Quahog dredge
629	30°04.5'	85°40'	7-29-58	1645-1715	--	S.	--	84	--	Quahog dredge
630	30°05'	85°42.5'	7-29-58	--	20	S.	--	84	--	Quahog dredge
631	30°10'	88°49.5'	7-30-58	0550-0620	20	S.	82	84	--	Quahog dredge
632	30°11.5'	85°50.5'	7-30-58	0625-0655	21	S.	--	84	--	Quahog dredge
633	30°13'	85°53'	7-30-58	0700-0730	--	S.	--	84	--	Quahog dredge
634	30°14'	85°55.5'	7-30-58	0740-0810	20	S.	--	85	--	Quahog dredge
635	30°15'	85°57'	7-30-58	0820-0850	20	S.	--	84	--	Quahog dredge
636	30°16'	85°59.5'	7-30-58	0900-0930	20	S.	--	84	--	Quahog dredge
637	30°16.5'	86°02'	7-30-58	0940-1005	20	S.	--	84	--	Quahog dredge
638	30°17.5'	86°04'	7-30-58	1015-1120	20	S.	--	84	--	Quahog dredge
639	30°21'	86°14'	7-30-58	1215-1245	20	S.	--	84	--	Quahog dredge
640	30°22'	86°22'	7-30-58	1320-1335	--	S.	--	83	--	Quahog dredge
641	30°22'	86°21.5'	7-30-58	1340-1355	20	S.	--	84	--	Quahog dredge
642	30°22.5'	86°24.5'	7-30-58	1420-1450	20	S.	--	84	--	Quahog dredge
643	30°22.5'	86°25.5'	7-30-58	1505-1530	20	S.	--	--	--	Quahog dredge
644	30°23'	86°32.5'	7-30-58	1600-1630	20	S.	--	--	--	Quahog dredge
645	30°23'	86°37'	7-30-58	1655-1725	20	S.	--	84	--	Quahog dredge
646	30°23'	86°39.5'	7-30-58	1735-1805	25	S.	--	84	--	Quahog dredge
647	30°21'	86°41.5'	7-31-58	0535-0610	11	S.	86	--	--	8' scallop dredge
648	30°18.5'	86°37'	7-31-58	0635-0710	11	S.	86	83	--	8' scallop dredge
649	30°17.5'	86°30.5'	7-31-58	0735-0805	13	S.	--	83	--	8' scallop dredge
650	30°18.5'	86°27.5'	7-31-58	0835-0855	13	S.	--	83	--	8' scallop dredge
651	30°16'	86°26.5'	7-31-58	0930-1000	15	S.	--	84	--	8' scallop dredge
652	30°08'	86°23.5'	7-31-58	1055-1125	20	S.	--	83	--	8' scallop dredge
653	30°08'	86°25'	7-31-58	1135-1220	20	S.	--	84	--	8' scallop dredge
654	30°08'	86°30'	7-31-58	1250-1320	--	S.	--	85	--	8' scallop dredge
655	30°08'	86°34.5'	7-31-58	1355-1425	20	gy.S.	--	85	--	8' scallop dredge
656	30°11.5'	86°38'	7-31-58	1500-1545	15	gy.S.	--	85	--	8' scallop dredge
657	30°12'	86°43'	7-31-58	1625-1655	15	gy.S.	--	85	--	8' scallop dredge
658	30°10'	86°44'	7-31-58	--	15	gy.S.	--	85	--	8' scallop dredge
659	30°13'	86°58'	8-1-58	0550-0620	14	gy.S.	85	84	--	8' scallop dredge
660	30°07'	87°01'	8-1-58	0650-0720	16	gy.S.	85	84.5	--	8' scallop dredge
661	30°05'	87°03'	8-1-58	0750-0820	19	gy.S.	--	84.5	--	8' scallop dredge
662	30°02.5'	87°07'	8-1-58	0850-0920	20	gy.S.	--	85	--	8' scallop dredge
663	29°59'	87°11'	8-1-58	0950-1020	20	gy.S.	--	85	--	8' scallop dredge
664	29°58.5'	87°13.5'	8-1-58	1050-1120	20	gy.S.	--	87	--	8' scallop dredge
665	30°03'	87°23.5'	8-1-58	1205-1235	15	gy.S.	--	87	--	8' scallop dredge
666	30°05'	87°25'	8-1-58	1310-1340	14	gy.S.	--	87	--	8' scallop dredge
667	30°08'	87°28'	8-1-58	1415-1445	14	gy.S.	--	87	--	8' scallop dredge
668	30°12'	87°31'	8-1-58	1520-1550	12	gy.S.	--	88	--	8' scallop dredge
669	30°10'	87°35'	8-1-58	1625-1710	8	gy.S.	--	88	--	8' scallop dredge
670	30°08'	87°39'	8-1-58	1730-1800	--	gy.S.	--	87	--	8' scallop dredge
671	30°09'	88°43'	8-2-58	0530-0600	8	gy.S.	--	85	--	8' scallop dredge
672	30°08'	87°48'	8-2-58	0620-0650	9	gy.S.	--	85	--	8' scallop dredge
673	30°06.5'	87°49'	8-2-58	0720-0750	9	gy.S.	85	85	--	8' scallop dredge
674	30°01'	87°55'	8-2-58	0825-0855	14	gy.S.	84	85	--	8' scallop dredge
675	30°00'	87°58'	8-2-58	0920-0950	16	gy.S.	--	85	--	8' scallop dredge
676	29°57.5'	88°05'	8-2-58	1035-1105	16	gy.S.	--	86	--	8' scallop dredge
677	29°58'	88°08'	8-2-58	1130-1200	17	gy.S.	--	--	--	8' scallop dredge
678	29°58.5'	88°13'	8-2-58	1230-1300	--	gy.S.	--	86	--	8' scallop dredge
679	29°55'	88°17'	8-2-58	1335-1405	18	gy.S.	92	86	--	8' scallop dredge
680	29°53'	88°21'	8-2-58	--	18	gy.S.	--	86	--	8' scallop dredge
681	29°51'	88°28'	8-2-58	1535-1605	17	gy.S.	--	86	--	8' scallop dredge
682	29°50'	88°33'	8-2-58	1630-1700	15	gy.S.	--	86	--	8' scallop dredge
683	29°48'	88°36'	8-2-58	1725-1800	12	gy.S.	--	--	--	8' scallop dredge
684	30°44'	88°51'	8-3-58	0515-0525	20	Hrd.S.	--	--	--	Quahog dredge
685	30°45'	88°50'	8-3-58	0530-0545	18	M.	--	85	--	Quahog dredge
686	29°47'	88°50'	8-3-58	0555-0610	20	S.M.	84	85	--	Quahog dredge
687	29°48'	88°50'	8-3-58	0620-0640	20	S.	--	85	--	Quahog dredge
688	29°48.5'	88°48.5'	8-3-58	0650-0705	--	S.M.	--	85	--	Quahog dredge
689	29°49'	88°49.5'	8-3-58	0715-0730	20	S.	--	85	--	Quahog dredge
690	29°50'	88°50'	8-3-58	0745-0800	20	S.	88	85	--	Quahog dredge
691	29°51'	88°47.5'	8-3-58	0810-0825	20	S.	--	--	--	Quahog dredge
692	29°52'	88°47.5'	8-3-58	0835-0850	20	S.	--	--	--	Quahog dredge
693	29°54'	88°47.5'	8-3-58	0905-0920	20	S.	88	85	--	Quahog dredge
694	29°55'	88°47.5'	8-3-58	0930-0945	20	S.M.	88	83	--	Quahog dredge
695	29°56'	88°47.5'	8-3-58	0955-1010	20	S.	--	83	--	Quahog dredge
696	29°57.5'	88°48'	8-3-58	1015-1030	20	S.	--	83	--	Quahog dredge
697	29°58'	88°48.5'	8-3-58	1035-1050	22	S.	--	83	--	Quahog dredge
698	29°59'	88°48'	8-3-58	1100-1115	20	S.	80	83	--	Quahog dredge
699	30°00'	88°48'	8-3-58	1150-1205	22	S.	80	85	--	Quahog dredge
700	30°01.5'	88°49'	8-3-58	1210-1225	22	S.	--	85	--	Quahog dredge

Table 4.--M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		° F.	° F.	° F.	
701	30°02.5'	86°50'	8-3-58	1230-1245	22	S.	80	86	--	Quahog dredge
702	30°03'	86°51'	8-3-58	--	22	S.	--	86	--	Quahog dredge
703	30°14'	86°41'	8-3-58	1510-1525	22	S.M.	76	79	--	Quahog dredge
704	30°13'	86°40'	8-3-58	1530-1545	22	S.M.	--	79	--	Quahog dredge
705	30°13'	86°38'	8-3-58	1555-1615	22	S.	--	79	--	Quahog dredge
706	29°03'	85°20'	8-31-58	0830-0940	33-30	Co.S.	86	83	--	52' roller trawl
707	29°00'	85°25'	8-31-58	--	30	Co.S.	88	83	--	52' roller trawl
708	29°02'	85°17'	8-31-58	1220-1320	30-35	Co.S.	88	84	--	52' roller trawl
709	28°55'	85°10'	8-31-58	1435-1540	31-30	Co.S.	88	84	--	52' roller trawl
710	28°50'	84°57'	8-31-58	1720-1830	27	Co.S.	88	84	--	52' roller trawl
711	28°09'	84°09'	9-1-58	0550-0700	25	Co.S.	84	86	--	52' roller trawl
712	28°13'	84°09'	9-1-58	0725-0840	25-22	--	84	84	--	52' roller trawl
713	28°14'	84°02'	9-1-58	0930-1030	21	--	84	84	--	52' roller trawl
714	28°12'	83°50'	9-1-58	1145-1245	22-20	Co.S.	88	84	--	52' roller trawl
715	28°10'	83°44'	9-1-58	1330-1430	20	Co.S.	88	84	--	52' roller trawl
716	28°10'	83°38'	9-1-58	1455-1555	19-17	Co.S.	88	84	--	52' roller trawl
717	28°07'	83°35'	9-1-58	1640-1725	17	Co.S.	88	85	--	52' roller trawl
718	28°00'	83°27'	9-1-58	1840-1940	17	Co.S.	86	84	--	52' roller trawl
719	27°56'	83°23'	9-2-58	0640-0740	16	Co.S.	82	86	--	52' roller trawl
720	27°56'	83°17'	9-2-58	0830-0930	13	Co.S.	86	86	--	52' roller trawl
721	27°56'	83°10'	9-2-58	1025-1125	10	Co.S.	80	87	--	52' roller trawl
722	27°51'	83°05'	9-3-58	1210-1310	9	Co.S.	80	87	--	52' roller trawl
723	27°45'	83°01'	9-3-58	1620-1720	8	--	84	87	--	52' roller trawl
724	27°44'	83°15'	9-3-58	0545-0640	15	--	82	83	--	52' roller trawl
725	27°40'	83°17'	9-3-58	0705-0805	15	Co.S.	86	84	--	52' roller trawl
726	27°12'	83°14'	9-5-58	1400-1500	21	S.Sh.	95	86	--	52' roller trawl
727	27°05'	83°19'	8-5-58	1553-1653	24	S.Sh.	95	86	--	52' roller trawl
728	27°02'	83°22'	9-5-58	1730-1830	24-27	S.Sh.	92	86	--	52' roller trawl
729	26°58'	83°28'	9-5-58	1925-2025	30-31	S.Sh.	80	85	--	52' roller trawl
730	26°57'	83°31'	9-5-58	2050-2150	31	S.Sh.	80	--	--	52' roller trawl
731	26°55'	83°33'	9-6-58	0532-0632	34-37	--	84	83	--	52' roller trawl
732	26°52'	83°43'	9-6-58	0715-0815	40	--	85	85	--	52' roller trawl
733	26°43'	83°47'	9-6-58	0915-1015	45-48	S.Sh.	84	85	--	52' roller trawl
734	26°43'	83°53'	9-6-58	1040-1150	43	S.Sh.	86	84	--	52' roller trawl
735	26°34'	83°37'	9-6-58	1430-1530	35	S.Sh.	90	86	--	52' roller trawl
736	26°35'	83°31'	9-6-58	1625-1725	34	Co.Sh.	88	85	--	52' roller trawl
737	26°31'	83°21'	9-6-58	1820-1920	30	S.Sp.	86	85	--	52' roller trawl
738	26°29'	83°11'	9-6-58	2055-2155	28-27	--	84	85	--	52' roller trawl
739	26°25'	83°09'	9-7-58	0535-0630	25-23	--	85	86	--	52' roller trawl
740	26°22'	83°07'	9-7-58	0710-0800	26-24	Co.Sh.	85	86	--	52' roller trawl
741	26°24.5'	83°02'	9-7-58	0815-0950	24	S.Sp.	85	86	--	52' roller trawl
742	26°21'	82°58'	9-7-58	1040-1120	23	S.Sp.	86	86	--	52' roller trawl
743	26°21'	82°55'	8-7-58	1218-1305	22-20	S.Sp.	92	86	--	52' roller trawl
744	26°20'	82°50'	9-7-58	1343-1443	20	S.Sh.	92	86	--	52' roller trawl
745	26°15'	82°44'	9-7-58	1545-1615	19	hrd.S.	86	86	--	52' roller trawl
746	25°57'	83°05'	8-8-58	0530-0625	29	S.Co.	84	86	--	52' roller trawl
747	25°53.5'	83°04.5'	8-8-58	0710-0810	31	S.Co.	84	85	--	52' roller trawl
748	25°39'	83°01.5'	8-8-58	0945-1015	30	S.Sp.	91	85	--	52' roller trawl
749	25°29'	83°00'	8-8-58	1150-1220	30-28	Co.Sh.	94	87	--	52' roller trawl
750	25°25'	82°57'	8-8-58	1245-1345	28-30	S.Co.	90	87	--	52' roller trawl
751	25°31'	83°02'	9-8-58	1410-1510	31	Co.S.	94	87	--	52' roller trawl
752	25°22'	83°08'	9-8-58	1610-1720	34	Co.S.	88	86	--	52' roller trawl
753	25°21'	83°12'	9-8-58	1807-1907	35	Co.S.	84	86	--	52' roller trawl
754	25°27'	83°08'	9-9-58	--	32	S.Co.	84	86	--	52' roller trawl
755	25°18'	83°05'	9-8-58	0830-0930	32-31	S.Sh.	90	84	--	52' roller trawl
756	25°11'	82°53'	9-8-58	--	27	S.Sh.	89	86	--	52' roller trawl
757	25°06'	82°50'	9-8-58	1245-1345	26	Co.S.	90	87	--	52' roller trawl
758	25°05'	83°00'	9-8-58	1458-1558	30	--	88	84	--	52' roller trawl
759	25°04'	83°08'	9-8-58	1652-1752	33-35	S.Sh.	84	84	--	52' roller trawl
760	25°03'	83°17'	9-9-58	1900-2000	37	S.	84	84	--	52' roller trawl
761	25°30'	83°02'	9-10-58	0530-0630	32	Sh.Co.	83	83	--	52' roller trawl
762	25°29'	83°00'	9-10-58	0700-0810	31	S.	86	85	--	52' roller trawl
763	25°22'	82°55'	9-10-58	--	30	S.	86	85	--	52' roller trawl
764	25°23'	82°53'	9-10-58	1030-1100	28	S.Co.	82	85	--	52' roller trawl
765	25°25'	82°52'	9-10-58	1125-1225	26	S.	86	85	--	52' roller trawl
766	25°27'	82°52.5'	9-10-58	1310-1410	26	S.Co.	92	85	--	52' roller trawl
767	25°35'	83°05'	9-10-58	--	28	S.Sh.	88	86	--	52' roller trawl
768	25°38'	83°07'	9-10-58	1705-1815	28	S.	82	85	--	52' roller trawl
769	26°20'	83°52'	9-11-58	0540-0640	59-65	Co.Sh.	85	85	--	52' roller trawl
770	26°27'	84°02'	9-11-58	0838-0940	74-80	S.	86	85	--	52' roller trawl
771	26°31.5'	84°13.5'	8-11-58	1110-1210	90	S.Sh.	88	86	--	52' roller trawl
772	26°51'	83°49'	8-11-58	1628-1735	36	S.Sh.	90	85	--	52' roller trawl
773	26°54'	83°42'	8-11-58	1830-1930	32	S.Sh.	92	85	--	52' roller trawl
774	27°05'	83°41'	8-11-58	2105-2205	30	S.Sh.	82	85	--	52' roller trawl
775	27°42'	84°11'	9-12-58	0540-0640	30	S.Sh.	85	86	--	52' roller trawl
776	27°42'	84°07'	8-12-58	0750-0850	34-33	Co.S.	86	85	--	52' roller trawl
777	27°40'	83°53'	9-12-58	1025-1125	26	S. Sh.	85	85	--	52' roller trawl
778	27°39'	83°38.5'	9-12-58	1310-1410	24	Co.S.	86	85	--	52' roller trawl
779	28°24'	84°26'	9-15-58	0542-0642	30-29	S.	82	84	--	52' roller trawl
780	28°51.5'	84°25'	9-15-58	0750-0850	22	S.	86	85	--	52' roller trawl
781	28°38.5'	84°28'	9-15-58	0940-1040	20	S.	86	85	--	52' roller trawl
782	28°48'	84°33'	9-15-58	1150-1250	21	S.	88	85	--	52' roller trawl
783	28°52'	84°39'	9-15-58	1355-1440	21	M.	92	86	--	52' roller trawl
784	28°53'	87°10'	9-16-58	0550-0650	40-45	Co.S.	84	86	--	52' roller trawl
785	28°50'	87°18'	9-16-58	0800-0925	40	M.	94	85	--	52' roller trawl
786	28°46'	87°21'	9-16-58	1305-1405	45-40	gy.S.	88	86	--	52' roller trawl
787	29°42'	87°23'	9-16-58	1457-1600	38	M.	88	83	--	52' roller trawl
788	29°39'	87°27'	9-16-58	1655-1755	35	M.	85	84	--	52' roller trawl
789	29°38'	87°37'	9-16-58	1840-1940	25	M.	84	85	--	52' roller trawl
790	29°42'	87°43'	9-17-58	0535-0635	20	S.	82	84	--	52' roller trawl
791	29°39'	87°47.5'	9-17-58	--	20	M.	85	83	--	52' roller trawl
792	29°37'	87°56.5'	9-17-58	0920-1020	22	M.	85	83	--	52' roller trawl
793	29°35.5'	88°05'	9-17-58	1100-1200	20	M.	88	84	--	52' roller trawl
794	29°40.5'	88°14'	9-17-58	1305-1350	20	M.	89	84	--	52' roller trawl
795	29°44'	88°18'	9-17-58	1425-1525	19	M.	90	85	--	52' roller trawl
796	29°47'	88°13'	9-17-58	--	20	M.	88	85	--	52' roller trawl
797	28°23'	90°53.5'	8-20-58	0645-0745	23-25	M.	84	86	--	52' roller trawl
798	28°18'	90°58.5'	8-20-58	0905-1005	34	M.	85	85	--	52' roller trawl
799	28°14'	91°03'	8-20-58	1135-1235	45	M.S.	87	86	--	52' roller trawl
800	28°14'	91°14'	8-20-58	--	45-42	M.S.	87	86	--	52' roller trawl

Table 4.--M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		° F.	° F.	° F.	
801	28°16'	91°26'	9-20-58	1625-1740	40-36	M.	84	84	--	52' roller trawl
802	28°02'	91°59'	9-21-58	1450-1550	42	M.	85	85	--	52' roller trawl
803	27°57'	91°00'	9-21-58	1555-1655	48	M.	85	85	--	52' roller trawl
804	28°02'	91°03'	9-21-58	1720-1830	48	M.	84	82	--	52' roller trawl
805	27°56.5'	91°15'	9-22-58	0620-0720	58	S.M.	82	82	--	52' roller trawl
806	27°56'	91°18'	9-22-58	0750-0850	44-46	M.	85	83	--	52' roller trawl
807	27°56'	91°21'	9-22-58	0915-1015	46	M.	85	84	--	52' roller trawl
808	27°54'	91°24'	9-22-58	1040-1155	40	M.	86	85	--	52' roller trawl
809	27°51'	91°27'	9-22-58	1218-1320	48	M.	86	85	--	52' roller trawl
810	27°48'	91°29'	9-22-58	1345-1445	50-42	M.S.	85	84	--	52' roller trawl
811	27°49'	91°54'	9-22-58	1510-1640	42	M.	85	85	--	52' roller trawl
812	27°46'	91°57'	9-22-58	1705-1830	48	M.	86	85	--	52' roller trawl
813	27°51'	91°53'	9-23-58	0555-0725	36-43	M.S.	84	83	--	52' roller trawl
814	27°45'	91°54.5'	9-23-58	0745-0915	44	M.S.	85	83	--	52' roller trawl
815	27°41'	91°57'	9-23-58	0950-1105	50-54	M.	86	83	--	52' roller trawl
816	27°42'	91°02'	9-23-58	1135-1305	50	M.	85	84	--	52' roller trawl
817	27°42'	91°08'	9-23-58	1330-1500	52	M.	87	85	--	52' roller trawl
818	27°41.5'	91°12'	9-23-58	1525-1655	46	M.	88	85	--	52' roller trawl
819	27°44'	91°07'	9-23-58	1717-1847	48	M.	86	84	--	52' roller trawl
820	27°42'	91°05'	9-24-58	0555-0725	52	M.S.	82	84	--	52' roller trawl
821	27°44'	91°04'	9-24-58	0745-0915	42	M.	88	85	--	52' roller trawl
822	27°43'	91°01'	9-24-58	0945-1100	44	M.	86	85	--	52' roller trawl
823	27°42'	91°58'	9-24-58	1125-1255	45	M.	88	83	--	52' roller trawl
824	27°44'	91°54'	9-24-58	1315-1445	40	M.	88	83	--	52' roller trawl
825	27°43.5'	91°50'	9-24-58	1508-1638	44	M.	88	83	--	52' roller trawl
826	27°45'	91°48'	9-24-58	1700-1720	42	M.	86	83	--	52' roller trawl
827	27°50'	91°49'	9-25-58	0545-0705	54	M.S.	82	84	--	52' roller trawl
828	27°45'	91°47'	9-25-58	0800-0930	42	M.	85	85	--	52' roller trawl
829	27°45'	91°44'	9-25-58	0950-1120	42	M.	86	86	--	52' roller trawl
830	27°46'	91°40'	9-25-58	1140-1310	42-44	M.	88	86	--	52' roller trawl
831	27°45'	91°42'	9-25-58	1415-1545	45	M.	88	86	--	52' roller trawl
832	27°46'	91°39'	9-25-58	1610-1750	45	M.	85	83	--	52' roller trawl
833	27°49'	91°36'	9-25-58	1810-1910	44	M.	85	83	--	52' roller trawl
834	28°02'	91°32'	9-26-58	0550-0720	30	M.S.	78	85	--	52' roller trawl
835	28°02'	91°16'	9-26-58	0745-0915	32	M.	83	83	--	52' roller trawl
836	28°02'	91°02'	9-26-58	0935-1105	35	M.	91	85	--	52' roller trawl
837	28°03'	91°58'	9-26-58	1125-1240	54	M.	91	85	--	52' roller trawl
838	28°03.5'	--	9-26-58	1300-1400	32	M.	94	85	--	52' roller trawl
839	28°04'	91°50'	9-26-58	1418-1518	32-33	M.	94	84	--	52' roller trawl
840	28°04.5'	91°47'	9-26-58	1538-1638	32	M.	90	85	--	52' roller trawl
841	21°24'	91°51'	11-16-58	0845-1015	25	S.	82	81	--	54/74' roller trawl
842	21°24'	91°28'	11-16-58	1040-1210	25	S.	84	83	--	54/74' roller trawl
843	20°01'	91°55'	11-17-58	0650-0820	36	M.S.	80	83	--	54/74' roller trawl
844	20°01'	91°47'	11-17-58	0840-0935	30	M.S.	82	83	--	54/74' roller trawl
845	19°51'	91°46'	11-17-58	1010-1140	26	C1.S.	85	83	--	54/74' roller trawl
846	19°55'	91°44'	11-17-58	1205-1335	25	C1.S.	82	83	--	54/74' roller trawl
847	19°58'	91°43'	11-17-58	1355-1455	22	C1.S.	82	83	--	54/74' roller trawl
848	20°01'	91°59'	11-17-58	1520-1820	21-24	C1.S.	84	83	--	54/74' roller trawl
849	20°04'	91°00'	11-17-58	1640-1840	24	C1.S.	82	83	--	54/74' roller trawl
850	20°04'	91°52'	11-18-58	0645-0745	26	C1.S.	82	83	--	54/74' roller trawl
851	20°07'	91°47'	11-18-58	0810-0940	26	M.S.Sp.	83	83	--	54/74' roller trawl
852	20°06'	91°51'	11-18-58	1000-1150	24	M.Sp.S.	84	83	--	54/74' roller trawl
853	20°07'	91°54'	11-18-58	1225-1330	24	M.Sp.S.	84	83	--	54/74' roller trawl
854	20°05'	91°51'	11-18-58	1525-1655	24	M.Sp.S.	86	83	--	54/74' roller trawl
855	20°06'	91°50'	11-18-58	1720-1845	24	M.Sp.S.	82	83	--	54/74' roller trawl
856	20°05'	91°59'	11-19-58	0630-0800	32	M.Sp.S.	80	83	--	54/74' roller trawl
857	20°07'	91°56'	11-19-58	0825-0955	27	M.Sp.S.	82	83	--	54/74' roller trawl
858	20°03'	91°56'	11-19-58	1020-1150	26	M.Sp.S.	84	83	82.4	54/74' roller trawl
859	20°05'	91°54'	11-19-58	1215-1345	26	M.Sp.S.	84	83	82.4	54/74' roller trawl
860	20°01'	91°54'	11-19-58	1415-1515	26	M.Sp.S.	90	83	--	54/74' roller trawl
861	19°58'	91°57'	11-19-58	1550-1710	28	M.S.	84	83	--	54/74' roller trawl
862	20°00'	91°47'	11-21-58	0715-0830	26	M.Sp.S.	80	83	--	80/116' roller trawl
863	20°00'	91°50'	11-21-58	0855-1000	26	M.Sp.S.	80	83	82	80/116' roller trawl
864	19°56'	91°46'	11-21-58	1025-1200	26	M.S.	87	83	--	80/116' roller trawl
865	19°56'	91°42'	11-21-58	1240-1410	23	M.S.	84	83	--	80/116' roller trawl
866	20°05'	91°54'	11-21-58	1555-1655	26	M.S.	84	83	--	80/116' roller trawl
867	20°07'	91°55'	11-21-58	1720-1850	26	M.Sp.S.	79	83	--	80/116' roller trawl
868	20°03'	91°52'	11-22-58	0715-0845	26	M.Sp.S.	77	83	--	80/116' roller trawl
869	20°03'	91°52'	11-22-58	0915-1040	26	M.Sp.S.	77	82	--	80/116' roller trawl
870	20°03'	91°52'	11-22-58	1230-1340	26	M.Sp.S.	76	82	--	80/116' roller trawl
871	20°03'	91°52'	11-22-58	1415-1530	26	M.Sp.S.	76	82	--	80/116' roller trawl
872	20°01'	91°52'	11-22-58	1555-1750	26	M.Sp.S.	76	82	--	80/116' roller trawl
873	20°00'	91°56'	11-23-58	0620-0750	37-28	M.Sp.S.	78	82	--	80/116' roller trawl
874	20°03'	91°52'	11-23-58	0815-1005	28	--	84	82	--	80/116' roller trawl
875	20°06'	91°57'	11-23-58	1035-1205	26	M.Sp.S.	88	82	--	80/116' roller trawl
876	20°04'	91°55'	11-23-58	1230-1350	28	M.Sp.S.	88	82	--	80/116' roller trawl
877	20°06'	91°53'	11-23/25-58	1420-0845	26	M.Sp.S.	88	82	81.60	Arrowhead snapper trap
878	20°05'	91°51'	11-23-58	1525-1630	27	M.Sp.S.	86	82	--	54/74' roller trawl
879	20°05'	91°51'	11-23-58	--	27	M.Sp.S.	78	82	--	54/74' roller trawl
880	20°05'	91°51'	11-24-58	0630-0800	27	M.Sp.S.	78	82	--	54/74' roller trawl
881	20°04'	91°54'	11-24-58	0830-1015	26	M.Sp.S.	90	82	81.5	54/74' roller trawl
882	20°05'	91°51'	11-24-58	1035-1115	26	M.Sp.S.	90	82	--	54/74' roller trawl
883	20°05'	91°51'	11-24-58	1145-1315	28	M.Sp.S.	90	83	--	54/74' roller trawl
884	20°05'	91°51'	11-24-58	1510-1640	28	M.Sp.S.	83	82	--	54/74' roller trawl
885	20°05'	91°51'	11-24-58	1705-1820	28	M.Sp.S.	78	83	--	54/74' roller trawl
886	20°05'	91°51'	11-24-58	1845-2015	28	M.Sp.S.	78	83	--	54/74' roller trawl
887	20°05'	91°51'	11-25-58	0630-0800	27	M.Sp.S.	84	83	--	54/74' roller trawl
888	20°06'	91°53'	11-25/28-58	0915-0645	26	--	84	83	81.60	Arrowhead snapper trap
889	20°05'	91°51'	11-25-58	1010-1140	26	M.Sp.S.	81	83	--	54/74' roller trawl
890	20°05'	91°51'	11-25-58	1210-1345	27	M.Sp.S.	81	83	--	54/74' roller trawl
891	20°05'	91°51'	11-25-58	1415-1545	27	M.Sp.S.	90	83	--	54/74' roller trawl
892	20°05'	91°51'	11-26-58	1600-1630	27	M.Sp.S.	88	83	--	54/74' roller trawl
893	20°05'	91°51'	11-26-58	0555-0735	27	M.Sp.S.	75	82	--	54/74' roller trawl
894	20°05'	91°51'	11-26-58	0815-0950	27	M.Sp.S.	84	83	--	54/74' roller trawl
895	20°05'	91°51'	11-26-58	1015-1145	27	M.Sp.S.	88	83	--	54/74' roller trawl
896	20°05'	91°51'	11-26-58	1210-1340	27	M.Sp.S.	90	83	--	54/74' roller trawl
897	20°05'	91°51'	11-26-58	1400-1530	27	M.Sp.S.	90	83	--	54/74' roller trawl
898	20°05'	91°51'	11-26-58	1555-1720	27	M.Sp.S.	85	83	--	54/74' roller trawl
899	20°05'	91°51'	11-26-58	1740-1915	27	M.Sp.S.	78	82	--	54/74' roller trawl
900	20°05'	91°51'	11-28-58	0735-0905	27-24	M.Sp.S.	78	--	--	54/74' roller trawl



Table 4.--M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
							° F.	° F.	° F.	
Fathoms										
901	20°05'	91°51'	11-28-58	0935-1120	26	M.S.p.	85	--	--	54/74' roller trawl
902	20°05'	91°51'	11-28-58	1145-1200	27	M.S.p.	--	82	--	54/74' roller trawl
903	20°05'	91°51'	11-28-58	1350-1520	27	M.S.p.	86	82	--	54/74' roller trawl
904	20°05'	91°51'	11-28-58	1545-1645	27	M.S.p.	78	82	--	54/74' roller trawl
905	20°05'	91°51'	11-28-58	1750-1925	26	M.S.p.	79	82	--	54/74' roller trawl
906	20°05'	91°51'	11-28-58	1950-2125	28	M.S.p.	80	82	--	54/74' roller trawl
907	20°05'	91°51'	11-28-58	2150-2310	26	M.S.p.	80	82	--	54/74' roller trawl
908	20°05'	91°51'	11-29-58	0030-0200	27	M.S.p.	80	82	--	54/74' roller trawl
909	20°05'	91°51'	11-29-58	0745-0915	27	M.S.p.	85	82	--	54/74' roller trawl
910	20°05'	91°51'	11-29-58	1005-1105	27	M.S.p.	86	82	--	54/74' roller trawl
911	20°05'	91°51'	11-29-58	1135-1235	27	M.S.p.	86	82	--	54/74' roller trawl
912	20°05'	91°51'	11-29-58	1310-1410	27	M.S.p.	80	82	--	54/74' roller trawl
913	20°05'	91°51'	11-29-58	1435-1525	27	M.S.p.	78	82	--	54/74' roller trawl
914	22°20'	89°48'	12-2-58	0150-0320	28	Co.S.Sh.	75	81	--	54/74' roller trawl
915	22°18'	89°53'	12-2-58	0350-0605	28	Co.S.Sh.	75	81	--	54/74' roller trawl
916	22°23'	89°53'	12-2-58	0720-0845	29	Co.S.Sh.	76	81	--	54/74' roller trawl
917	22°23'	89°53'	12-2-58	0910-0945	29	Co.S.Sh.	80	81	--	54/74' roller trawl
918	29°44'	88°18'	1-13-59	2110-2210	20	M.	60	53	--	80' semi-balloon trawl
919	29°41'	88°16'	1-13-59	2315-0045	22	M.	60	53	--	80' balloon trawl
920	29°42'	88°20'	1-14-59	0120-0250	20	M.	69	53	--	80' semi-balloon trawl
921	29°40'	88°18'	1-14-59	0325-0555	20	M.	60	53	--	80' balloon trawl
922	29°32'	88°07'	1-14-59	0535-0645	20-24	M.	60	--	--	80' semi-balloon trawl
923	29°32'	88°02'	1-14-59	0805-0935	21	M.	60	--	--	80' semi-balloon trawl
924	29°41'	87°57'	1-14-59	1010-1200	20-22	M.	80	64	--	80' semi-balloon trawl
925	29°36'	87°58'	1-14-59	1225-1355	20	M.	74	65	--	80' semi-balloon trawl
926	29°40'	87°58'	1-14-59	1435-1605	18-20	M.	74	65	--	80' semi-balloon trawl
927	29°46'	87°58'	1-14-59	1645-1815	18	M.S.	62	65	--	80' semi-balloon trawl
928	29°57'	87°47'	1-14-59	2010-2140	16	M.	--	60.1	--	80' semi-balloon trawl
929	30°03'	87°44'	1-14-59	2320-0050	13	M.	64	60.1	--	80' semi-balloon trawl
930	30°06'	87°37'	1-15-59	0115-0245	10-14	S.Sh.	65	60.1	--	80' semi-balloon trawl
931	30°02'	87°38'	1-15-59	0310-0440	14	S.Sh.	64	60	--	80' semi-balloon trawl
932	29°58'	87°42'	1-15-59	0555-0655	14	S.Sh.	64	--	--	50' midwater trawl
933	29°57'	87°48'	1-15-59	0725-0825	16	M.	64	60.1	62.6	50' midwater trawl
934	29°55'	87°48'	1-15-59	0915-1025	16	M.	--	--	--	50' midwater trawl
935	29°55'	87°53'	1-15-59	1055-1200	16	S.Sh.	63	61	--	50' midwater trawl
936	29°50'	87°55'	1-15-59	1225-1325	16-20	S.Sh.	64	61	--	50' midwater trawl
937	29°45'	87°56'	1-15-59	1345-1500	18	S.Sh.	64	61	--	50' midwater trawl
938	29°49'	87°58'	1-15-59	1520-1645	18-20	M.S.Sh.	64	61	--	50' midwater trawl
939	20°04'	91°57'	1-25-59	0950-1055	24	M.Sh.	74	74	--	40' midwater trawl
940	20°02'	91°58'	1-25-59	1125-1240	26	M.Sh.	74	74	--	40' midwater trawl
941	20°00'	91°59'	1-25-59	1405-1505	26	M.Sh.	73	74	--	54/74' roller trawl
942	20°02'	91°57'	1-25-59	1535-1650	26	M.Sp.Co.	73	75	--	54/74' roller trawl
943	20°00'	91°59'	1-25-59	1725-1900	26	M.Co.Sp.	72	75	--	54/74' roller trawl
944	20°05'	91°49'	1-26-59	0810-0830	26	M.Sp.	81	78	78	54/74' roller trawl
945	20°02'	91°54'	1-26-59	1125-1240	26	M.Sp.	80	78	--	54/74' roller trawl
946	20°02'	91°54'	1-26-59	1310-1425	26	M.Sp.	80	78	--	54/74' roller trawl
947	20°02'	91°54'	1-26-59	1445-1600	26	M.Sp.	80	78	--	54/74' roller trawl
948	20°02'	91°54'	1-26-59	1640-1740	26	M.Sp.	78	78	--	54/74' roller trawl
949	20°02'	91°54'	1-26-59	1800-1925	26	M.Sp.	74	76	--	54/74' roller trawl
950	20°00'	92°00'	1-27-59	0645-0715	30-25	M.Sp.	73	77	--	54/74' roller trawl
951	20°02'	91°58'	1-27-59	0740-0915	25	M.Sp.	76	76	--	54/74' roller trawl
952	19°56'	91°55'	1-27-59	0940-1100	25	M.Sp.	76	76	--	54/74' roller trawl
953	19°52'	91°52'	1-27-59	1120-1250	30	M.Sp.	78	76	--	54/74' roller trawl
954	19°49'	91°57'	1-27-59	1315-1350	40-46	M.	78	76	--	54/74' roller trawl
955	19°48'	91°54'	1-27-59	1450-1620	38-32	M.	78	76	--	54/74' roller trawl
956	19°48'	91°51'	1-27-59	1640-1810	32	M.	74	76	--	54/74' roller trawl
957	19°39'	91°46'	1-27-59	1835-2015	28	M.	74	76	--	54/74' roller trawl
958	20°07'	92°03'	1-28-59	0705-0835	40	M.	76	76	--	54/74' roller trawl
959	20°03'	92°02'	1-28-59	--	26	M.	78	76	--	54/74' roller trawl
960	20°02'	91°58'	1-28-59	1055-1210	26	M.Sp.	80	76	--	54/74' roller trawl
961	20°02'	91°58'	1-28-59	1235-1350	23	M.Sp.	78	76	--	54/74' roller trawl
962	20°02'	91°58'	1-28-59	1415-1535	23	M.Sp.	78	76	--	54/74' roller trawl
963	20°02'	91°58'	1-28-59	1615-1720	23	M.Sp.	76	76	--	54/74' roller trawl
964	20°00'	92°01'	1-29-59	1805-1940	23	M.Sp.	76	76	--	54/74' roller trawl
965	20°00'	92°01'	1-29-59	--	35	M.	73	76.5	--	54/74' roller trawl
966	20°02'	91°58'	1-29-59	0935-1005	23	M.Sp.	78	76	--	54/74' roller trawl
967	20°00'	92°01'	1-29-59	1025-1205	38	M.Sp.	78	77	--	54/74' roller trawl
968	20°02'	91°58'	1-29-59	1230-1400	38	M.Sp.	78	77	--	54/74' roller trawl
969	20°02'	91°58'	1-29-59	1420-1510	38	M.Sp.	78	77	--	54/74' roller trawl
970	20°02'	91°58'	1-29-59	--	38-26	M.Sp.	80	77	--	54/74' roller trawl
971	19°57'	91°58'	1-29-59	1715-1915	38	M.Sp.	78	77	--	54/74' roller trawl
972	20°03'	91°55'	1-30-59	1325-1440	28-42	M.Sp.	76	77	--	52/90' roller trawl
973	19°59'	91°58'	1-30-59	1515-1630	42	M.Sp.	75	77	--	52/90' roller trawl
974	20°02'	91°58'	1-30-59	--	28	M.Sp.	--	77	--	52/90' roller trawl
975	20°03'	91°55'	1-31-59	--	50-26	M.Sp.	74	76	--	52/90' roller trawl
976	20°02'	91°58'	1-31-59	0839-1010	26	M.Sp.	80	77	--	52/90' roller trawl
977	19°57'	91°58'	1-31-59	1045-1215	26	M.Sp.	80	77	--	52/90' roller trawl
978	20°02'	91°58'	1-31-59	1245-1415	26	M.Sp.	79	77	--	52/90' roller trawl
979	20°01'	91°56'	1-31-59	--	26	M.Sp.	80	77	--	52/90' roller trawl
980	19°58'	91°54'	1-31-59	1650-1730	26	M.Sp.	--	77	--	52/90' roller trawl
981	20°00'	92°02'	--	--	45	M.Sp.	75.5	77	--	52/90' roller trawl
982	20°05'	92°00'	2-1-59	0830-1010	32	M.Sp.	--	77	--	52/72' roller trawl
983	20°03'	91°58'	2-1-59	1145-1315	26	M.Sp.	72	77	--	54/74' roller trawl
984	21°57'	91°25'	2-2-59	0700-0800	25	M.Sp.	74	77	--	54/74' roller trawl
985	21°57'	91°20'	2-2-59	0820-0935	25	Co.S.Sh.	80	77	--	54/74' roller trawl
986	22°07'	91°12'	2-2-59	1035-1205	30	Co.S.Sh.	80	77	--	54/74' roller trawl
987	22°06'	91°11'	2-2-59	1225-1355	32	Co.S.Sh.	80	78	--	54/74' roller trawl
988	22°13'	91°14'	2-2-59	1640-1750	46-58	Co.S.Sh.	77	77	--	54/74' roller trawl
989	20°03'	92°00'	2-28/3-1-59	1600-1333	32	Co.M.	78	80	76.1	Snapper trap
990	20°03'	92°00'	2-28/3-1-59	1603-1346	32	Co.M.	78	80	76.1	Snapper trap
991	20°03'	92°00'	2-28/3-1-59	1606-1401	32	Co.M.	78	80	76.1	Snapper trap
992	20°03'	92°00'	2-28/3-1-59	1610-1413	32	Co.M.	78	80	76.1	Snapper trap
993	20°03'	92°00'	2-28/3-1-59	1614-1437	32	Co.M.	78	80	76.1	Snapper trap
994	20°03'	92°00'	2-28/3-1-59	1618-1506	32	Co.M.	78	80	76.1	Snapper trap
995	20°03'	92°00'	2-28/3-1-59	1620-1526	32	Co.M.	78	80	76.1	Snapper trap
996	20°03'	92°00'	2-28/3-1-59	1627-1530	32	Co.M.	78	80	76.1	Snapper trap
997	20°03'	92°00'	2-28/3-1-59	1627-1545	32	Co.M.	78	80	76.1	Snapper trap
998	20°03'	92°00'	2-28/3-1-59	1635-1600	32	--	78	80	76.1	Snapper trap

Table 4.--M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Alr	Sur.	Bot.	
					Fathoms		° F.	° F.	° F.	
1001	20°03'	92°00'	2-28/3-1-59	1635-1617	32	--	78	80	76.1	Snapper trap
1002	20°03'	92°00'	2-28/3-1-59	1653-1624	32	Co.M.	78	80	76.1	Snapper trap
1003	20°03'	92°00'	2-28-59	--	32	Co.M.	78	80	76.1	Snapper trap
1004	20°03'	92°00'	2-28-59	--	32	Co.M.	78	80	76	Snapper trap
1005	20°03'	91°57'	2-28-59	0640-0740	28	M.Sp.	77	80	--	54/74' roller trawl
1006	20°05'	91°52'	2-28-59	0805-0905	27	M.Sp.	78	80	--	54/74' roller trawl
1007	20°05'	91°57'	2-28-59	0930-1100	28	M.Sp.	80	80	--	54/74' roller trawl
1008	20°05'	91°52'	2-28-59	1120-1245	28	M.Sp.	82	80	--	54/74' roller trawl
1009	20°04'	91°57'	2-28-59	1350-1500	26	M.Sp.	78	80	--	54/74' roller trawl
1010	20°05'	91°52'	2-28-59	1520-1650	26	M.Sp.	78	80	--	54/74' roller trawl
1011	20°05'	91°52'	2-28-59	1710-1810	26	M.Sp.	78	80	--	54/74' roller trawl
1012	20°04'	91°58'	3-1/3-3-59	1335-0630	30	Co.	73	80	76	Snapper trap
1013	20°04'	91°58'	3-1/3-3-59	1434-0655	30	Co.	73	80	76	Snapper trap
1014	20°04'	91°58'	3-1/3-3-59	1441-0705	--	Co.	73	80	76	Snapper trap
1015	20°04'	91°58'	3-1/3-3-59	1445-0730	30	Co.	73	80	76	Snapper trap
1016	20°04'	91°58'	3-1/3-3-59	1450-0746	30	Co.	73	80	76	Snapper trap
1017	20°04'	91°58'	3-1/3-3-59	1509-0806	30	Co.	73	80	76	Snapper trap
1018	20°04'	91°58'	3-1/3-3-59	1534-0825	30	Co.	73	80	76	Snapper trap
1019	20°04'	91°58'	3-1/3-3-59	1603-0905	30	Co.	73	80	76	Snapper trap
1020	20°04.5'	91°58'	3-1/3-3-59	1635-0915	30	Co.	73	80	76	Snapper trap
1021	20°05'	91°57'	3-2-59	0725-0855	27	M.Sp.	78	73	--	54/74' roller trawl
1022	20°05'	91°57'	3-2-59	0925-1500	27	M.Sp.	79	80	76	Snapper trap
1023	20°02'	91°51'	3-2-59	0950-0955	27	M.Sp.	78	80	--	54/74' roller trawl
1024	20°02'	91°52'	3-2-59	1145-1315	27	M.Sp.	78	80	--	54/74' roller trawl
1025	20°02'	91°51'	3-2-59	1335-1350	27	M.Sp.	76	80	--	54/74' roller trawl
1026	20°02'	91°51'	3-2/3-3-59	1500-1125	27	M.Sp.	78	80	75.1	Snapper trap
1027	20°04'	91°57'	3-3/3-4-59	0640-0815	30	Co.	74	79	77.36	Snapper trap
1028	20°04'	91°57'	3-3/3-4-59	0725-0826	30	--	78	79	77.36	Snapper trap
1029	20°04'	91°57'	3-3/3-4-59	0800-0839	30	M.Co.	78	79	77.36	Snapper trap
1030	20°04'	91°57'	3-3/3-4-59	0820-0856	30	M.Co.	78	79	77.36	Snapper trap
1031	20°04'	91°57'	3-3/3-4-59	0947-0910	30	M.Co.	78	79	77.36	Snapper trap
1032	20°04'	91°57'	3-3/3-4-59	0933-0943	30	Co.	78	79	77.36	Snapper trap
1033	20°04'	91°57'	3-3/3-4-59	0938-1056	30	Co.	78	79	77.36	Snapper trap
1034	20°04'	91°57'	3-3/3-4-59	0952-1103	30	Co.	78	79	77.36	Snapper trap
1035	20°02'	91°51'	3-3/3-7-59	1053-1420	27	Co.	78	73	75	Snapper trap
1036	20°02'	91°51'	3-3/3-7-59	1100-1430	27	M.Sp.	78	73	75	Snapper trap
1037	20°02'	91°51'	3-3/3-7-59	1108-1341	27	M.Sp.	78	73	75	Snapper trap
1038	20°02'	91°51'	3-5-59	1505-1605	28	M.Sp.	78	79	--	54/74' roller trawl
1039	20°03'	91°53'	3-5-59	1625-1755	26	M.Sp.	--	79	--	54/74' roller trawl
1040	20°03'	91°56'	3-4/3-7-59	1056-0915	26	Co.	76	78	77.76	Snapper trap
1041	20°03'	91°56'	3-4/3-7-59	1102-0926	26	Co.	76	78	77.76	Snapper trap
1042	20°03'	91°56'	3-4/3-7-59	1106-0946	26	Co.	--	78	77.76	Snapper trap
1043	20°03'	91°56'	3-4/3-7-59	1110-0958	26	Co.	76	78	77.76	Snapper trap
1044	20°03'	91°56'	3-4/3-7-59	1115-1015	26	Co.	76	78	77.76	Snapper trap
1045	20°03'	91°56'	3-4/3-7-59	1120-1130	26	Co.	76	78	77.8	Snapper trap
1046	20°03'	91°56'	3-4/3-7-59	1125-1148	26	Co.	78	78	77.76	Snapper trap
1047	20°03'	91°54'	3-5-59	--	28-34	M.Sp.	80	79	--	54/74' roller trawl
1048	20°02'	91°59'	3-5-59	0930-1110	28	M.Sp.	80	77	--	54/74' roller trawl
1049	20°01'	91°57'	3-5-59	1210-1350	26	M.Sp.	80	79	--	54/74' roller trawl
1050	20°02'	91°54'	3-5-59	1430-1510	26	M.Sp.	80	79	--	54/74' roller trawl
1051	20°01'	91°56'	3-5-59	1530-1700	26	M.Sp.	80	80	--	54/74' roller trawl
1052	20°02'	91°54'	3-5-59	1720-1850	28	M.Sp.	76	80	--	54/74' roller trawl
1053	20°02'	91°54'	3-7-59	0655-0825	25	Co.	75	78	--	54/74' roller trawl
1054	20°03'	91°55'	3-7/8-59	0920-1318	26	Co.Sp.	72	78	--	Snapper trap
1055	20°03'	91°55'	3-7/8-59	0935-1350	26	Co.Sp.	72	78	--	Snapper trap
1056	20°03'	91°55'	3-7/8-59	0950-1341	26	Co.Sp.	72	78	--	Snapper trap
1057	20°03'	91°55'	3-7/8-59	1009-1350	26	Co.Sp.	72	78	--	Snapper trap
1058	20°03'	91°55'	3-7/8-59	1020-1400	26	Co.Sp.	72	78	--	Snapper trap
1059	20°03'	91°55'	3-7/8-59	1140-1416	26	Co.Sp.	72	78	--	Snapper trap
1060	20°03'	91°55'	3-7/8-59	1156-1426	26	Co.Sp.	72	78	--	Snapper trap
1061	--	--	3-7-59	1220-1350	26	Co.	75	78	--	54/74' roller trawl
1062	20°02'	91°51'	3-7-59	1510-1645	26	M.Sp.	74	78	--	54/74' roller trawl
1063	20°03'	91°55'	3-7-59	--	26	Co.Sp.	74	78	--	54/74' roller trawl
1064	20°03'	91°55'	3-7/8-59	1830-1458	26	Co.M.	74	78	--	Snapper trap
1065	20°03'	91°55'	3-7/8-59	1835-1450	26	Co.M.	74	78	--	Snapper trap
1066	20°03.5'	92°05'	3-7-59	2030-2135	55	Co.Sp.	74	78	--	40' flat trawl
1067	20°03'	91°52'	3-8-59	0615-0800	26	Co.Sp.	75	78	--	54/74' roller trawl
1068	20°03'	91°52'	3-8-59	0825-0955	26	Co.Sp.	76	79	--	54/74' roller trawl
1069	20°03'	91°52'	3-8-59	1035-1205	26	Co.Sp.	76	79	--	54/74' roller trawl
1070	20°01'	91°58'	3-8-59	1540-1710	29-44	--	80	79	--	54/74' roller trawl
1071	20°00'	92°02'	3-8-59	1730-1910	44-52	--	79	79	--	54/74' roller trawl
1072	20°03'	91°53'	3-8-59	2025-2125	32	Co.Sp.M.	74	79	--	54/74' roller trawl
1073	20°02'	91°53'	3-9-59	0620-0725	32	--	77	78	--	54/74' roller trawl
1074	20°01'	92°03'	3-9-59	0825-0955	45-50	M.	79	78	--	54/74' roller trawl
1075	20°05'	92°05'	3-9-59	1020-1220	48-24	M.	76	78	--	54/74' roller trawl
1076	20°03'	91°56'	4-5-59	1415-1545	26	M.Sp.	85	80	--	54/74' roller trawl
1077	20°02'	91°55'	4-5-59	1615-1745	26	M.Sp.	84	80	--	54/74' roller trawl
1078	20°02'	91°55'	4-5-59	1820-2000	26	M.Sp.	82	80	--	54/74' roller trawl
1079	20°03'	91°56'	4-6-59	0535-0705	26	M.Sp.	78	80	--	54/74' roller trawl
1080	20°02'	91°53'	4-6-59	0730-0910	26	M.Sp.	78	80	--	54/74' roller trawl
1081	20°03'	91°56'	4-6-59	0930-1100	26	M.Sp.	80	80	--	54/74' roller trawl
1082	20°03'	91°56'	4-6-59	1120-1250	26	M.Sp.	82	80	--	54/74' roller trawl
1083	20°02'	91°58'	4-6-59	1340-1510	28-40	M.Sp.	82	80	--	54/74' roller trawl
1084	20°00'	92°00'	4-6-59	1535-1705	40-55	M.Sp.	86	80	--	54/74' roller trawl
1085	19°59'	92°05'	4-6-59	1735-1900	50-45	M.Sp.	80	80	--	54/74' roller trawl
1086	20°02'	91°56'	4-7-59	0610-0740	26	M.Sp.	78	80	--	54/74' roller trawl
1087	20°03'	91°54'	4-7-59	0805-0935	26	M.Sp.	78	80	--	54/74' roller trawl
1088	20°02'	91°50'	4-7-59	1000-1130	26	M.Sp.	80	80	--	54/74' roller trawl
1089	19°59'	91°45'	4-7-59	1150-1320	26	M.Sp.	80	80	--	54/74' roller trawl
1090	19°54'	91°43'	4-7-59	1345-1515	26	M.Sp.	84	80	--	54/74' roller trawl
1091	19°52'	91°49'	4-7-59	1340-1710	26	M.Sp.	82	80	--	54/74' roller trawl
1092	19°54'	91°47'	4-7-59	1730-1905	26	M.Sp.	80	80	--	54/74' roller trawl
1093	19°57'	91°45'	4-8-59	--	23-27	M.Sp.	78	73.5	--	54/74' roller trawl
1094	19°56'	91°47'	4-8-59	0735-0845	27	M.Sp.	82	79.5	--	54/74' roller trawl
1095	19°51'	91°47'	4-8-59	0925-0950	27	M.Sp.	82	80	--	54/74' roller trawl
1096	19°50'	91°50'	4-8-59	1320-1435	28	M.Sp.	95	80	--	54/74' roller trawl
1097	19°48'	91°49'	4-8-59	1740-1810	30	M.Sp.	78	80	--	54/74' roller trawl
1098	19°48'	91°56'	4-9-59	1350-1520	30-28	M.Sp.	80	80	--	54/74' roller trawl
1099	19°48'	91°54'	4-9-59	1605-1715	28	M.	--	80.5	--	54/74' roller trawl
1100	19°44'	91°43'	4-9-59	1745-1930	27	M.Sp.	--	80	--	54/74' roller trawl



Table 4.--H/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		° F.	° F.	° F.	
1401	34°37.5'	76°49'	11-23-59	1640-1740	8	--	59	59	61.1	54/74' fish trawl
1402	34°30.5'	76°57.5'	11-23-59	1856-2026	10-11	--	59	59	--	54/74' fish trawl
1403	34°24.5'	76°58'	11-23-59	2110-2240	11	--	--	--	--	54/74' fish trawl
1404	34°22'	77°03'	11-24-59	2320-0050	12	S.Sh.	65	--	64.5	54/74' fish trawl
1405	34°24.5'	77°09'	11-24-59	0205-0335	12-13	S.Sh.	65	66.5	64.4	54/74' fish trawl
1406	34°15.5'	77°06.5'	11-24-59	0420-0550	13-14	--	66	66.5	66.7	54/74' fish trawl
1407	34°12'	77°06'	11-24-59	0630-0800	14	Sh.	67	--	--	54/74' fish trawl
1408	34°39'	76°40'	11-26-59	0730-0740	7	M.	52	--	59.2	14-tooth clam dredge
1409	34°40'	76°41'	11-26-59	0807-0817	6-5	M.	53	--	59.2	14-tooth clam dredge
1410	34°41'	76°43'	11-26-59	0843-0858	5-6	M.	56	59.5	59	Clam dredge
1411	34°41'	76°44'	11-26-59	0928-0943	6	M.	60	59	59.2	Clam dredge
1412	34°41'	76°43'	11-26-59	0950-1020	4½-6	M.	60	59.5	59.2	Clam dredge
1413	34°41'	76°43'	11-26-59	1030-1100	6-4½	M.	60	59	59.2	Clam dredge
1414	34°41'	76°43'	11-26-59	1108-1123	4½-4	M.	57	59	59.2	Clam dredge
1415	34°41'	76°44'	11-26-59	1130-1145	4	M.	57	59	59.2	Clam dredge
1416	34°41'	76°45'	11-26-59	1156-1214	6-7	M.	58	59	59.2	Clam dredge
1417	34°41'	76°44'	11-26-59	1221-1236	7-6	M.	57	59	59.2	Clam dredge
1418	34°44'	76°50'	11-26-59	1312-1328	5	M.	59	60	59.2	Clam dredge
1419A	34°41'	76°45'	11-26-59	1424-1440	5	M.	54	59	59.2	9' scallop dredge
1419B	34°41'	76°45'	11-26-59	1424-1440	5	M.	54	59	59.2	Clam dredge
1420A	34°41'	76°43'	11-26-59	1455-1535	5	M.	52	59	59.2	Scallop dredge
1420B	34°41'	76°43'	11-26-59	1455-1535	5	M.	52	59	59.2	Clam dredge
1421A	34°41'	76°43'	11-26-59	1540-1610	5	M.	52	59	59.2	Scallop dredge
1421B	34°41'	76°43'	11-26-59	1540-1610	5	M.	52	59	--	Clam dredge
1422	34°41'	76°43'	11-26-59	1626-1656	5	M.	49	59	59	Clam dredge
1423	34°40'	76°37'	11-27-59	0835-0850	4	M.	62	60	59.5	Clam dredge
1424	34°39.5'	76°36'	11-27-59	0902-0932	4-4½	S.	62	60	59.5	Clam dredge
1425	34°39'	76°34.5'	11-27-59	0944-1014	4½	--	62	60	59.5	Clam dredge
1426	34°39.5'	76°40'	11-27-59	1025-1055	5	M.	62	60	59.5	Clam dredge
1427	34°39.5'	76°40'	11-27-59	1110-1140	5-6½	M.	65	60	59.5	Clam dredge
1428	34°39.5'	76°41'	11-27-59	1210-1245	6-4½	M.	67	60	59.5	Clam dredge
1429	34°39.5'	76°40.5'	11-27-59	1300-1330	4½	M.	67	60	59.4	Clam dredge
1430	34°39.5'	76°40'	11-27-59	1345-1400	4½	M.	67	60	59.4	Clam dredge
1431	34°39.5'	76°40'	11-27-59	1410-1440	4½	M.	67	60	59.4	Clam dredge
1432	34°39.5'	76°40.5'	11-27-59	1450-1520	4½-5	--	67	60	59.5	Clam dredge
1433	34°39.5'	76°39'	11-27-59	1527-1557	5	M.	64	59	59	Clam dredge
1434	34°39.5'	76°38.5'	11-29-59	0730-0800	6	M.	41	58	59.7	14-tooth clam dredge
1435	34°39.6'	76°38'	11-29-59	0810-0840	5-4½	M.	45	58	59.7	Clam dredge
1436	34°39.7'	76°38.3'	11-29-59	0850-0920	6	M.	45	58	59.7	Clam dredge
1437	34°39.7'	76°38.3'	11-29-59	0927-0957	6-5½	M.	51	58	59.7	Clam dredge
1438	34°39.7'	76°38.3'	11-29-59	1008-1038	5½-5	M.	51	58	59.7	Clam dredge
1439	34°39.7'	76°38.3'	11-29-59	1052-1122	5-5½	M.	51	58	59.7	Clam dredge
1440	34°39.7'	76°38.3'	11-29-59	1134-1201	3½-5	M.	51	58	59.7	Clam dredge
1441	34°39.7'	76°38.3'	11-29-59	1215-1245	5-6	M.	48	58.5	59.5	Clam dredge
1442	34°39.7'	76°38.3'	11-29-59	1252-1322	6-4½	M.	48	58.5	59.5	Clam dredge
1443	34°39.7'	76°38.3'	11-29-59	1400-1430	5	M.	41	58.5	59.5	Clam dredge
1444	34°39.7'	76°38.3'	11-29-59	1442-1510	5	M.	41	58.5	59.5	Clam dredge
1445	34°39.7'	76°38.3'	11-29-59	1520-1600	5	M.	40	58.5	59.5	Clam dredge
1446	34°40'	76°40.5'	12-1-59	0735-0750	6	M.Sh.	41	54.5	56.7	14-tooth clam dredge
1447	34°40.7'	76°43'	12-1-59	0802-0817	4½	M.	42	54.5	56.7	Clam dredge
1448	34°41'	76°43.4'	12-1-59	0825-0855	6-4½	M.	46	54.5	56.7	Clam dredge
1449	34°41'	76°43.4'	12-1-59	0908-0923	4½-7	M.	46	54.5	56.7	Clam dredge
1450	34°40.5'	76°44'	12-1-59	0933-0948	7-7½	M.	46	54.5	56.7	Clam dredge
1451	34°40'	76°44.5'	12-1-59	0955-1010	7½	M.	46	54.5	56.7	Clam dredge
1452	34°40.5'	76°46'	12-1-59	1025-1040	7-6	M.	41	54.5	56.7	Clam dredge
1453	34°40.8'	76°46.8'	12-1-59	1050-1105	6	M.	47	54.5	56.7	Clam dredge
1454	34°41'	76°47.5'	12-1-59	1132-1147	5	M.S.	48	54.5	56.7	Clam dredge
1455	34°41'	76°48'	12-1-59	1200-1215	5-4½	M.	49	54.5	56.8	Clam dredge
1456	34°41'	76°43'	12-1-59	1255-1310	4-5	M.	48	54.5	56.8	Clam dredge
1457	34°41'	76°42.5'	12-1-59	1320-1335	5	M.	54	54.5	56.7	Clam dredge
1458	34°40'	76°41'	12-1-59	1343-1358	5	M.	54	54.5	56.7	Clam dredge
1459	34°39'	76°41'	12-1-59	1403-1418	5	M.Sh.	54	54.5	56.7	Clam dredge
1460	34°39.5'	76°40'	12-1-59	1429-1446	5	M.Sh.	54	54.5	56.7	Clam dredge
1461	34°39'	76°40'	12-1-59	1452-1523	5½	M.	54	54.5	56.7	Clam dredge
1462	34°39'	76°40'	12-1-59	1535-1600	5½	M.	56	54.5	56.7	Clam dredge
1463	34°39'	76°23.5'	12-3-59	1100-1230	18	G.S.	55	67.5	78.1	60/80' 2-seam fish trawl
1464	34°39'	76°36'	12-4-59	0737-0752	5-4	M.Sh.	45	52.0	54.9	Clam dredge
1465	34°39'	76°34.5'	12-4-59	0758-0813	4-3½	M.S.Sh.	46	52	54.9	Clam dredge
1466	34°38'	76°33.5'	12-4-59	0823-0838	4-3	M.	53	52	54.9	Clam dredge
1467	34°37'	76°32.6'	12-4-59	0852-0910	3-6	M.	53	52	54.9	Clam dredge
1468	34°37'	76°33.7'	12-4-59	0923-0940	6½	M.	53	52	54.9	Clam dredge
1469	34°36'	76°33.5'	12-4-59	0952-1008	6½-5	M.	54	52	54.9	Clam dredge
1470	34°35'	76°33.5'	12-4-59	1015-1030	5-6½	M.	54	52	54.9	Clam dredge
1471	34°36'	76°33.5'	12-4-59	1042-1057	6½-7½	M.	54	52	54.9	Clam dredge
1472	34°36'	76°34.5'	12-4-59	1110-1125	7½	bk.M.	55	52	54.9	Clam dredge
1473	34°36.4'	76°35.2'	12-4-59	1133-1148	7½	bk.M.	55	52	54.9	Clam dredge
1474	34°36'	76°34.5'	12-4-59	1159-1214	7-6	bk.M.	55	52	54.9	Clam dredge
1475	34°36.1'	76°33.7'	12-4-59	1230-1245	6-3½	bk.M.	54	52	54.9	Clam dredge
1476	34°36.2'	76°32.8'	12-4-59	1256-1326	3½-4	bk.M.	54	52	54.9	Clam dredge
1477	34°37.3'	76°32.8'	12-4-59	1348-1417	--	bk.M.	55	52	54.9	Clam dredge
1478	34°37.3'	76°32.8'	12-4-59	1428-1454	3½-4	bk.M.	55	52	54.9	Clam dredge
1479	34°37.3'	76°32.8'	12-4-59	1503-1532	3½-4	bk.M.	60	52	54.9	Clam dredge
1480	34°37.3'	76°32.8'	12-4-59	1541-1612	4-4½	bk.M.	60	52	59.9	Clam dredge
1481	34°36.6'	76°33.1'	12-4-59	1618-1649	4½-5	bk.M.	60	52	54.9	Clam dredge
1482	34°39.7'	76°38.3'	12-4-59	1650-1722	5	bk.M.	54	52	54.9	Clam dredge
1483	34°23.5'	76°24.5'	12-6-59	1405-1505	12	--	65	62	--	60/80' 2-seam shrimp trawl
1484	34°26.5'	76°14'	12-6-59	1632-1732	17-20	gy.S.	61	68	--	60/80' 2-seam shrimp trawl
1485	34°30'	76°02'	12-6-59	1905-2005	23	gy.S.	61	73	--	60/80' 2-seam shrimp trawl
1486	34°52'	76°13'	12-7-59	0355-0525	7	S.	44	58	--	60/80' 2-seam shrimp trawl
1487	35°01.5'	76°02.5'	12-7-59	0702-0802	5-8	S.	40	58	--	60/80' 2-seam shrimp trawl
1488	34°58.5'	76°50.5'	12-7-59	0925-1025	12	S.Sh.	45	60	68	64/84' fish trawl
1489	34°50.5'	76°18'	12-7-59	1433-1502	5	S.G.	43	58	--	Clam dredge
1490	34°47.5'	76°21'	12-7-59	1648-1718	5	Sh.G.	42	57	--	Clam dredge
1491	34°47.5'	76°21'	12-7-59	1727-1757	5	S.Sh.	42	57	--	Clam dredge
1492	34°46.5'	76°22'	12-7-59	1810-1840	5	S.Sh.	40	57	--	Clam dredge
1493	34°46.5'	76°22'	12-7-59	1856-1926	7	S.Sh.	40	57.5	--	Clam dredge
1494	34°46.5'	76°21'	12-7-59	1943-2013	7-6	S.Sh.	40	58	--	Clam dredge
1495	34°46'	76°22'	12-7-59	2025-2055	6-5	S.Sh.	40	57	--	Clam dredge
1496	34°47.5'	76°03'	12-8-59	0413-0447	16	S.	41	64	--	8' scallop dredge
1497	34°42.5'	75°56.5'	12-8-59	0557-0627	20	S.	43	70	--	8' scallop dredge
1498	34°16.5'	76°26'	12-8-59	1105-1205	17-18	G.S.	43	57	69.4	60/80' roller trawl
1499	34°10.5'	76°14.5'	12-8-59	1347-1517	25	--	43	66	69.4	60/80' shrimp trawl
1500	34°04'	76°15'	12-8-59	1625-1720	55-45	M.	54	67	--	60/80' shrimp trawl

Table 4.--H/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		° F.	° F.	° F.	
1301	34°22'	76°43'	9-24-59	--	13-14	--	76	--	--	Night light station
1302	34°27'	76°41.5'	9-24-59	0135-0240	12-11	--	76	--	--	Night light station
1303	34°30'	76°39'	9-24-59	0315-0415	10	--	75	--	--	Night light station
1304	34°28.5'	76°46'	9-24-59	0455-0545	11	--	76	--	--	Night light station
1305	34°29'	76°49.5'	9-24-59	1005-1105	11-12	G.Sh.	77	79	--	54/74' roller trawl
1306	34°27.5'	76°53.5'	9-24-59	1140-1240	12	G.Sh.	78	77	--	54/74' roller trawl
1307	34°29.5'	76°57'	9-24-59	1304-1404	12	S.Sh.	78	79	--	54/74' roller trawl
1308	34°26.5'	77°05'	9-24-59	1500-1600	9-10	S.Sh.	78	79	--	54/74' roller trawl
1309	34°33'	77°06'	9-24-59	1745-1830	9	S.Sh.	79	79	--	86' balloon trawl
1310	34°35.3'	77°03'	9-24-59	1938-2038	8	S.Sh.	78	--	--	54/74' roller trawl
1311	34°37.6'	77°01'	9-24-59	2110-2240	7	S.Sh.	74	--	--	54/74' roller trawl
1312	34°35.5'	76°39'	9-27-59	0920-1020	8-7	S.	76	--	--	54/74' roller trawl
1313	34°37.3'	76°35.5'	9-27-59	1040-1150	7	S.M.	76	78	--	54/74' roller trawl
1314	34°38.5'	76°34.5'	9-27-59	1215-1345	6	S.	81	78	--	54/74' roller trawl
1315	34°34'	76°36'	9-27-59	1410-1540	8	S.M.	81	78	--	54/74' roller trawl
1316	34°01.5'	76°37.5'	9-27-59	1618-1725	9	S.M.	76	78.5	--	54/74' roller trawl
1317	34°32'	76°33.5'	9-27-59	1742-1927	8	S.	77	78	--	54/74' roller trawl
1318	34°36.5'	76°38'	9-27-59	2035-2135	8	S.	75	78	--	86' balloon trawl
1319	34°31'	76°40'	9-28-59	0723-0825	9	S.	76	78	--	86' balloon trawl
1320	33°08'	76°01'	10-15-59	1733-1833	17	S.Sh.	67	77	--	60/80' fish trawl
1321	33°20'	76°01.8'	10-15-59	2005-2103	16	S.Sh.	67	77	--	60/80' fish trawl
1322	33°40.1'	76°00'	10-16-59	0414-0615	7	S.	60	77	--	60/80' fish trawl
1323	33°47.3'	76°06.5'	10-16-59	0702-0725	7	S.Sh.	60	77	--	60/80' fish trawl
1324	33°48.5'	76°05.5'	10-16-59	0812-0912	7-8	S.Sh.	60	77	--	60/80' fish trawl
1325	33°52.2'	76°13'	10-16-59	1010-1110	5	S.Sh.	61	77	75.6	60/80' fish trawl
1326	33°53'	76°18'	10-16-59	1230-1330	4½-5	S.Sh.	61	77	75	54/74' fish trawl
1327	33°48.05'	76°28'	10-16-59	1448-1455	6-4½	S.	61	77	75.5	54/74' fish trawl
1328	33°46.05'	76°40'	10-16-59	1700-1830	5-4½	S.Sh.	60	75	75	54/74' fish trawl
1329	33°33.5'	76°50.5'	10-16-59	1948-2118	5-5½	S.Sh.	60	75	--	54/74' fish trawl
1330	33°33.5'	76°54.5'	10-16-59	2135-2235	5½	S.Sh.	60	75	--	54/74' fish trawl
1331	33°33'	76°49'	10-17-59	0030-0230	6	--	61	75	--	Night light station
1332	33°30'	76°51'	10-17-59	0410-0610	6-7	S.Sh.	69	75	--	54/74' fish trawl
1333	33°29'	76°37'	10-17-59	0730-0830	10-10½	S.Sh.	69	77	76.6	54/74' fish trawl
1334	33°34.7'	76°26.2'	10-17-59	1000-1100	10-11	S.Sh.	75	79	76.8	54/74' fish trawl
1335	33°35'	76°14'	10-17-59	1340-1450	10	S.Sh.	75	--	77.2	54/74' fish trawl
1336	33°28'	76°01'	10-17-59	1640-1800	12-13	S.Sh.	74	78	--	64/84' balloon trawl
1337	33°25.5'	77°53'	10-17-59	1920-2020	16	S.Sh.	73	--	--	64/84' balloon trawl
1338	33°23.5'	77°38.5'	10-17-59	2155-2255	13-12	S.Sh.	74	--	--	64/84' balloon trawl
1339	33°22.5'	77°35'	10-18-59	0030-0230	16-17	--	74	77	--	Night light station
1340	33°09'	77°36'	10-18-59	0415-0615	30-26	S.Sh.	74	--	--	64/84' balloon trawl
1341	33°08'	77°35.5'	10-18-59	0725-0825	45	--	74	--	--	64/84' balloon trawl
1342	33°05'	77°47'	10-18-59	1015-1115	51-50	--	75	--	--	64/84' balloon trawl
1343	33°01'	77°56'	10-18-59	1535-1640	53-53	--	75	--	--	64/84' balloon trawl
1344	33°03'	78°08'	10-18-59	1535-1640	16	--	75	--	--	64/84' balloon trawl
1345	33°13'	78°12.5'	10-18-59	1806-1936	16-15	S.Sh.	75	--	--	64/84' balloon trawl
1346	33°24.2'	78°18'	10-18-59	2100-2245	14-13	S.Sh.	72	--	--	Night light station
1347	33°24'	78°17'	10-19-59	0030-0230	14	--	70	--	--	54/74' fish trawl
1348	33°20.5'	78°26'	10-19-59	0438-0638	13-12	--	64	76	--	54/74' fish trawl
1349	33°18'	78°44.5'	10-19-59	0805-0905	9	S.Sh.	65	76	--	54/74' fish trawl
1350	33°20'	78°53.5'	10-19-59	1035-1210	9	--	67	76	--	54/74' fish trawl
1351	33°18.5'	79°02'	10-19-59	1315-1430	6-5	--	78	76	--	54/74' fish trawl
1352	33°09'	79°05'	10-19-59	1530-1700	5-6	--	68	76	--	54/74' fish trawl
1353	33°05.5'	78°58'	10-19-59	1815-1945	7-8	--	68	75	--	54/74' fish trawl
1354	33°06'	78°46.4'	10-19-59	2115-2300	11	--	68	75	--	54/74' fish trawl
1355	33°12.5'	78°43'	10-20-59	0030-0230	11	--	64	75	--	Night light station
1356	33°04.5'	78°33'	10-20-59	0448-0648	14-15	--	71	76	--	54/74' fish trawl
1357	32°59'	78°24'	10-20-59	0810-0910	19-21	--	71	76	--	54/74' fish trawl
1358	32°50.6'	78°13'	10-20-59	1045-1200	23-24	S.Sh.	77	76	--	54/74' fish trawl
1359	32°45.5'	78°23'	10-20-59	1300-1430	50-51	S.Sh.	77	80	--	54/74' fish trawl
1360	32°51'	78°32'	10-20-59	1615-1715	21-19	S.Sh.	75	78	--	54/74' fish trawl
1361	32°00'	78°40'	10-20-59	1850-1950	15-16	S.Sh.	75	78	--	54/74' fish trawl
1362	32°56.7'	78°53.5'	10-20-59	2110-2240	14	S.Sh.	75	78	--	54/74' fish trawl
1363	32°53'	78°59.5'	10-21-59	0030-0230	--	S.Sh.	74	78	--	Night light station
1364	32°54'	79°12.5'	10-21-59	0405-0605	11	S.Sh.G.	74	77	--	54/74' fish trawl
1365	32°59.5'	79°14'	10-21-59	0720-0820	6-5	S.G.	74	77	--	54/74' fish trawl
1366	32°52.5'	79°23.5'	10-21-59	0948-1108	6-5½	--	70	78	--	54/74' fish trawl
1367	32°46.5'	79°24'	10-21-59	1212-1330	7-8	S.Sh.	70	77	--	54/74' fish trawl
1368	32°43'	79°13'	10-21-59	1505-1605	12-14	S.Sh.G.	69	76	--	64/84' fish trawl
1369	32°42'	79°02.5'	10-21-59	1725-1855	15-14	S.Sh.G.	69	76	--	64/84' fish trawl
1370	32°42'	78°52'	10-21-59	2022-2222	17-19	S.Sh.	69	76	--	64/84' fish trawl
1371	32°37.5'	79°31.5'	10-24-59	0942-1042	9	S.Sh.	68	74.4	76.3	64/84' fish trawl
1372	32°40.5'	79°16.5'	10-24-59	1205-1305	12	S.Sh.G.	69	75	77.4	64/84' fish trawl
1373	32°32'	79°42'	10-24-59	1650-1750	7	S.Sh.	66	74.5	75.2	64/84' fish trawl
1374	32°36.5'	79°51'	10-24-59	1910-2010	6-5	--	66	74	--	64/84' fish trawl
1375	32°32.7'	79°57'	10-24-59	2150-2250	6-5	gy.S.	58	72	73.04	64/84' fish trawl
1376	32°29'	80°07.5'	10-25-59	0020-0120	6-5	gy.S.	59	72	--	64/84' fish trawl
1377	32°29'	80°11.5'	10-25-59	0135-0235	5-5½	gy.S.	59	72	72.3	64/84' fish trawl
1378	32°20'	80°17'	10-25-59	0400-0500	5½	S.Sh.	58	72	72.3	64/84' fish trawl
1379	32°15'	80°26'	10-25-59	0625-0725	5-5½	gy.S.Sh.	54	72.5	71.9	64/84' fish trawl
1380	31°57.5'	80°36.5'	10-25-59	0950-1050	7½	--	55	72.3	71.9	64/84' fish trawl
1381	31°57.5'	80°44'	10-25-59	1350-1450	9	gy.S.	55	72.3	71.9	64/84' fish trawl
1382	31°52'	80°52'	10-25-59	1610-1710	6-5	gy.S.	--	--	71.9	64/84' fish trawl
1383	31°44.5'	80°57.5'	10-25-59	1835-1935	4½-6	S.Sh.	63	72.5	72.1	64/84' fish trawl
1384	31°47.5'	80°45'	10-25-59	2100-2200	7-8	S.Sh.	60	73	72.5	64/84' fish trawl
1385	31°55'	80°33'	10-25-59	2325-2425	9-8	hrd.S.Sh.	60	73	--	64/84' fish trawl
1386	32°04'	80°24'	10-26-59	0155-0255	9-10	gy.S.Sh.	60	--	72	64/84' fish trawl
1387	32°13'	80°09.5'	10-26-59	0422-0522	9-8	gy.S.	58	73	72.5	64/84' fish trawl
1388	32°15'	79°49'	10-26-59	0732-0832	12	hrd.S.	60	74.5	72.7	64/84' fish trawl
1389	32°20.5'	79°37'	10-26-59	0952-1050	15-16	gy.S.	80	75	71.6	64/84' fish trawl
1390	32°24.5'	79°28'	10-26-59	1230-1330	15-16	gy.S.Sh.	80	--	--	54/74' fish trawl
1391	32°30.5'	79°11'	10-26-59	1455-1555	19	S.G.Sh.	81	--	70.9	54/74' fish trawl
1392	32°32'	78°56.5'	10-26-59	1720-1820	20-21	S.G.Sh.	65	--	--	54/74' fish trawl
1393	32°32'	78°40.5'	10-26-59	2000-2130	40-50	gy.S.Sh.	69	76.3	71.6	54/74' fish trawl
1394	32°30.5'	78°44.5'	10-26-59	--	50	hrd.S.	69	76.3	71.6	Dip station
1395	32°28'	78°44'	10-27-59	0240-0410	50	hrd.S.	69	76	72	54/74' fish trawl
1396	34°25'	76°50'	11-23-59	0635-0735	12	S.Sh.	53	--	--	54/74' fish trawl
1397	34°31'	76°40'	11-23-59	0820-0930	10	--	--	--	--	54/74' fish trawl
1398	34°35.5'	76°43.5'	11-23-59	1050-1150	9	S.	61	--	--	54/74' fish trawl
1399	34°35'	76°44'	11-23-59	1255-1355	7	S.Sh.	60	--	60.2	54/74' fish trawl
1400	34°38'	76°44.5'	11-23-59	1435-1530	7	S.Sh.	62	59	59.7	54/74' fish trawl

Table 4.--H/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		° F.	° F.	° F.	
1201	25°20'	84°23'	6-9-59	0345-0545	200	--	81	85	--	40' flat trawl
1202	25°16.5'	84°25'	6-9-59	0700-0842	210-250	--	81	85	--	40' flat trawl
1203	29°05'	88°22'	6-11/12-59	2145-0145	250	M.	77	82	--	40' flat trawl
1204	33°28'	77°24.5'	9-1-59	1930-2030	15-16	S.Sh.	82	86	--	86' balloon trawl
1205	33°29'	77°22'	9-1-59	2057-2227	16-20	S.Sh.	82	86	--	86/116' balloon trawl
1206	33°20'	77°10.5'	9-2-59	0545-0645	50	S.Sh.	82	86	--	86/116' balloon trawl
1207	33°24'	77°09'	9-2-59	0740-0800	25	S.Sh.	84	86	--	86/116' balloon trawl
1208	33°32'	77°30.5'	9-2-59	1100-1200	14	S.Sh.	88	85.5	--	50' 2-seam fish trawl
1209	33°41'	77°40.5'	9-2-59	1340-1440	11-12	S.Sh.Co.	86	86	--	50' 2-seam fish trawl
1210	33°47.5'	77°50'	9-2-59	1555-1655	8	S.Sh.Co.	88	86	--	50' 2-seam fish trawl
1211	33°55'	77°52.5'	9-2-59	1743-1843	5-6	S.Sh.	85	86	--	50' 2-seam fish trawl
1212	34°03.5'	77°50.5'	9-2-59	1935-2105	5-6	S.Sh.	84	86	--	50' 2-seam fish trawl
1213	34°06.5'	77°46.5'	9-2-59	2145-2315	7-8	S.Sh.	82	85.5	--	50' 2-seam fish trawl
1214	34°02'	77°35'	9-3-59	0540-0640	11	S.Sh.	80	85.5	--	50' 2-seam fish trawl
1215	33°56.5'	77°20.5'	9-3-59	--	15	S.Sh.	86	86	--	80' balloon trawl
1216	33°44.5'	77°02.5'	9-3-59	1250-1358	20	S.Sh.	91	86	--	86' balloon trawl
1217	33°44'	76°58'	9-3-59	1510-1610	22-23	S.Sh.	88	86	--	86' balloon trawl
1218	33°45.2'	76°50.5'	9-3-59	1715-1812	23-24	S.Sh.	89	86	--	86' balloon trawl
1219	33°43'	76°45'	9-3-59	1910-2010	30	S.Sh.	82	86	--	86' balloon trawl
1220	33°48'	76°42.5'	9-3-59	2200-2300	26-25	S.Sh.	82	--	--	86' balloon trawl
1221	33°50'	76°55'	9-4-59	0554-0654	20	S.Sh.	81	--	--	86' balloon trawl
1222	33°57.5'	77°01.5'	9-4-59	0810-0910	17-16	S.Sh.	88	--	--	86' balloon trawl
1223	34°01'	77°08'	9-4-59	1035-1135	15	S.Sh.	88	85.5	--	86' balloon trawl
1224	34°07'	77°19'	9-4-59	1300-1400	13	S.Sh.	89	85.5	--	86' balloon trawl
1225	34°09'	77°23.5'	9-4-59	1530-1745	12	S.Sh.	78	86	--	86' balloon trawl
1226	34°16.5'	77°34'	9-4-59	1855-1955	8-7	S.Sh.	75	85	--	86' balloon trawl
1227	34°21'	77°34.5'	9-4-59	2015-2115	7-8	S.	76	85	--	86' balloon trawl
1228	34°19'	77°19.5'	9-5-59	0548-0648	10	S.Sh.	80	85.5	--	80' balloon trawl
1229	34°15.5'	77°07.5'	9-5-59	0820-0920	14-15	S.Sh.	--	86	--	80' balloon trawl
1230	34°09'	76°55'	9-5-59	1058-1200	17	S.Sh.	88	86	--	80' balloon trawl
1231	34°05.5'	76°45'	9-5-59	1333-1433	20	S.Sh.	85	86	--	80' balloon trawl
1232	34°02.5'	76°34'	9-5-59	1605-1705	21-22	S.Sh.	84	86	--	80' balloon trawl
1233	34°00.5'	76°21'	9-5-59	1840-1940	30-33	S.Sh.	82	86	--	80' balloon trawl
1234	33°58.5'	76°22'	9-5-59	2030-2053	39-50	S.	82	86	--	80' balloon trawl
1235	34°07.5'	76°22.5'	9-5-59	2214-2314	21-21	S.	80	86	--	80' balloon trawl
1236	34°13.5'	76°36.5'	9-6-59	0537-0630	18	S.Sh.	83	86	--	80' balloon trawl
1237	34°22'	76°41.5'	9-6-59	0804-0904	14-15	G.Sh.	84	86	--	65' balloon trawl
1238	34°24'	76°46.5'	9-6-59	1015-1115	14-12	S.G.	88	86	--	65' balloon trawl
1239	34°31'	76°53'	9-6-59	1228-1328	14-12	S.	88	86	--	80' balloon trawl
1240	34°38'	76°49'	9-6-59	1430-1550	7	--	88	86	--	80' balloon trawl
1241	34°37'	76°46'	9-6-59	1615-1715	7	S.	88	86	--	80' balloon trawl
1242	34°31.5'	76°35.5'	9-6-59	1838-2008	9	S.	84	85.5	--	80' balloon trawl
1243	34°21'	76°29.8'	9-6-59	2122-2252	10-11	S.	82	86	--	80' balloon trawl
1244	34°16'	76°22'	9-7-59	0535-0618	16	C.S.	79	86	--	80' balloon trawl
1245	34°10.7'	76°15'	9-7-59	0830-0930	22	S.	86	86	--	86' balloon trawl
1246	34°14'	76°08'	9-7-59	1048-1205	32-33	S.	89	86	--	86' balloon trawl
1247	34°14'	76°01.5'	9-7-59	1325-1420	33-24	S.	89	86	--	86' balloon trawl
1248	34°22.5'	76°13.5'	9-7-59	1537-1650	13-15	S.	88	86	--	86' balloon trawl
1249	34°27'	76°20.5'	9-7-59	1740-1840	7	S.	81	86	--	86' balloon trawl
1250	34°35'	76°23.5'	9-7-59	1945-2045	11-10	S.	80	86	--	86' balloon trawl
1251	34°40'	76°23.5'	9-8-59	0535-0635	8	S.	78	--	--	86' balloon trawl
1252	34°47'	76°20.5'	9-8-59	0735-0835	9-11	S.	82	86	--	86' balloon trawl
1253	34°47'	76°17.5'	9-8-59	0915-1015	11-9	S.	83	85	--	86' balloon trawl
1254	34°50.5'	76°14.2'	9-8-59	1147-1305	12-11	S.	83	85	--	86' balloon trawl
1255	34°55.5'	76°09'	9-8-59	1410-1440	9-11	S.	85	85	--	86' balloon trawl
1256	34°54.6'	76°05'	9-8-59	1645-1815	10-11	S.	81	85	--	86' balloon trawl
1257	34°56.5'	75°56'	9-8-59	1920-2020	14-13	S.	80	85	--	86' balloon trawl
1258	34°58.5'	75°54'	9-8-59	2042-2242	13-14	S.	79	85	--	86' balloon trawl
1259	34°51.5'	76°51'	9-10-59	0722-0822	11	S.	78	--	--	86' balloon trawl
1260	34°51.5'	76°40.5'	9-10-59	1138-1238	10	S.	88	--	--	86' balloon trawl
1261	34°24'	76°23.5'	9-10-59	1454-1610	11	S.	85	--	--	86' balloon trawl
1262	34°39.5'	76°27.5'	9-10-59	1832-2032	6-7	S.	79	--	--	86' balloon trawl
1263	34°46'	76°23'	9-11-59	0555-0655	43-6	S.	75	--	--	86' balloon trawl
1264	34°47'	76°21.5'	9-11-59	0802-0902	4-5	S.	81	84	--	86' balloon trawl
1265	34°46'	76°12.5'	9-11-59	1020-1120	123	S.	83	84	--	86' balloon trawl
1266	34°39'	76°13'	9-11-59	1240-1340	17	S.	82	84	--	86' balloon trawl
1267	34°35.5'	75°55.5'	9-11-59	1535-1635	24	S.	79	84	--	86' balloon trawl
1268	34°37.5'	75°48'	9-11-59	1850-2050	31-30	S.	79	85	--	86' balloon trawl
1269	34°32'	75°57'	9-12-59	0653-0708	25	S.Sh.	76	85	--	86' balloon trawl
1270	34°39'	76°01.7'	9-12-59	0920-1020	20	S.Sh.	86	85	--	86' balloon trawl
1271	34°44'	75°53.5'	9-12-59	1212-1314	17	S.	--	85	--	86' balloon trawl
1272	34°54'	75°54.5'	9-12-59	1412-1612	14-15	S.Sh.	82	85	--	86' balloon trawl
1273	34°46.5'	76°04'	9-12-59	1730-1930	17	S.Sh.	78	85	--	86' balloon trawl
1274	34°14'	76°00'	9-17-59	1705-1805	100	M.	74	82	--	54/74' roller trawl
1275	34°12.5'	76°03.2'	9-17-59	1858-1928	110	M.	77	82	--	54/74' roller trawl
1276	34°09.5'	76°08'	9-17-59	2000-2050	120	M.	77	82	--	54/74' roller trawl
1277	34°06'	76°06'	9-17-59	2118-2208	130	M.	76	82	--	54/74' roller trawl
1278	34°03'	76°11.4'	9-17-59	2235-2315	135	M.	72	82	--	54/74' roller trawl
1279	35°20'	74°56'	9-20-59	0725-0825	105-85	M.	76	79	--	54/74' roller trawl
1280	35°16.5'	75°00'	9-20-59	0900-1000	75-95	M.	74	79	--	54/74' roller trawl
1281	35°00'	75°17'	9-20-59	1255-1355	102-105	M.	76	73	--	54/74' roller trawl
1282	34°56'	75°20.5'	9-20-59	1425-1525	105	M.	75	73	--	54/74' roller trawl
1283	34°52'	75°27.5'	9-20-59	1550-1650	98-97	M.	78	73	--	54/74' roller trawl
1284	34°58.5'	76°40.5'	9-22-59	0602-0702	6-8	M.	74	75.5	--	86' balloon trawl
1285	34°40.5'	76°47.7'	9-22-59	0740-0840	7-5	M.	76	75.5	--	86' balloon trawl
1286	34°40.5'	76°51.5'	9-22-59	0905-1005	5-63	gy.S.	76	75.5	--	86' balloon trawl
1287	34°40.7'	76°48.5'	9-22-59	1030-1130	5-7.5	gy.S.	77	75.5	--	86' balloon trawl
1288	34°41'	76°50'	9-22-59	1805-1935	7-5	gy.S.	75	77	--	86' balloon trawl
1289	34°41'	76°51'	9-22-59	2040-2140	7-5	gy.S.	75	77	--	86' balloon trawl
1290	34°41'	76°48.5'	9-22-59	2210-2310	43-8	gy.S.	75	77	--	86' balloon trawl
1291	34°38.5'	76°49.4'	9-22-59	2332-0100	8-10	gy.S.	74	77	--	86' balloon trawl
1292	34°33'	76°50'	9-23-59	--	10	--	75	77	--	Night light station
1293	34°32'	76°49.5'	9-23-59	0645-0745	10-103	S.Sh.	74	77	--	86' balloon trawl
1294	34°25.2'	76°51.6'	9-23-59	0837-0937	12-13	Sh.	76	77	--	86' balloon trawl
1295	34°23.7'	76°54'	9-23-59	1032-1202	13-15	Sh.	78	--	--	54/74' roller trawl
1296	34°13'	76°48'	9-23-59	1327-1427	17	Sh.S.	78	83	--	54/74' roller trawl
1297	34°09'	76°35.5'	9-23-59	1605-1705	19-20	S.Sh.	77	85	--	54/74' roller trawl
1298	34°07'	76°32'	9-23-59	1737-1837	20-19	S.Sh.	78	84	--	54/74' roller trawl
1299	34°21'	76°34'	9-23-59	2045-2125	14	--	78	--	--	54/74' roller trawl
1300	34°22.5'	76°34'	9-23-59	--	10	--	76	--	--	Night light station



Table 4.--M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					<u>Fathoms</u>		<u>° F.</u>	<u>° F.</u>	<u>° F.</u>	
1101	19° 41'	91° 51'	4-10-59	0535-0650	25	M.Sp.	78	80	--	54/74' roller trawl
1102	19° 45'	91° 51'	4-10-59	0725-0905	27	M.Sp.	85	80	--	54/74' roller trawl
1103	19° 42'	91° 49'	4-10-59	0945-1045	27	M.Sp.	85	80	--	54/74' roller trawl
1104	19° 40'	91° 53'	4-10-59	1305-1425	27	M.Sp.	86	80	--	54/74' roller trawl
1105	19° 41'	91° 52'	4-10-59	1500-1615	26	M.Sp.	88	80	--	54/74' roller trawl
1106	19° 43'	91° 51'	4-10-59	1635-1805	25	M.Sp.	80	80	--	54/74' roller trawl
1107	19° 41'	91° 52'	4-10-59	1830-1930	25	M.Sp.	--	80	--	54/74' roller trawl
1108	19° 39'	91° 59'	4-11-59	0540-0635	28	M.Sp.	79	80	--	54/74' roller trawl
1109	19° 41'	91° 57'	4-11-59	0725-0915	26	M.Sp.	82	80	--	54/74' roller trawl
1110	19° 41'	91° 57'	4-11-59	1000-1105	26	M.Sp.	83	80	--	54/74' roller trawl
1111	19° 39'	91° 58'	4-11-59	1135-1250	26	M.Sp.	88	80	--	54/74' roller trawl
1112	19° 37'	91° 59'	4-11-59	1315-1445	26-30	M.Sp.	88	80	--	54/74' roller trawl
1113	19° 44'	91° 50'	4-11-59	1815-1935	27	M.Sp.	86	80	--	54/74' roller trawl
1114	19° 47'	91° 51'	4-12-59	0605-0635	27	M.Sp.Co.	78	80	--	54/74' roller trawl
1115	19° 50'	91° 48'	4-12-59	0855-0915	25	M.Sp.	80	80	--	54/74' roller trawl
1116	19° 51'	91° 42'	4-12-59	1305-1435	23	M.S.	88	80	--	54/74' roller trawl
1117	19° 55'	91° 42'	4-12-59	1455-1625	21	M.	87	80	--	54/74' roller trawl
1118	19° 58'	91° 47'	4-12-59	1725-1850	24	M.Sp.	79	80	--	54/74' roller trawl
1119	19° 33'	91° 56'	4-13-59	0605-0650	25	M.Sp.	78	80	--	54/74' roller trawl
1120	24° 10'	97° 27'	4-20-59	1245-1325	25	M.Co.	85	70	--	88' roller trawl
1121	24° 01'	97° 25'	4-20-59	1525-1655	25	M.	76	70	--	88' roller trawl
1122	25° 57'	97° 24'	4-20-59	--	35	M.	74	75	--	88' roller trawl
1123	20° 02'	91° 58'	4-25-59	0625-0740	30	M.Sp.	77	79.5	--	88' roller trawl
1124	20° 02'	91° 58'	4-25-59	0855-1030	30	M.Sp.	82	79.5	--	88' roller trawl
1125	20° 04'	91° 50'	4-25-59	1100-1220	28	M.Co.Sp.	84	80	--	88' roller trawl
1126	20° 54'	91° 48'	4-25-59	0620-0745	24	M.Sh.	76	78	--	54/74' roller trawl
1127	20° 50'	91° 48'	4-25-59	0815-1000	24	M.Co.Sp.	76	78	--	54/74' roller trawl
1128	19° 45'	91° 48'	4-25-59	1055-1200	30	M.Co.Sp.	80	78	--	54/74' roller trawl
1129	19° 40'	91° 48'	4-25-59	1225-1340	27	M.Sp.Co.	82	78	--	54/74' roller trawl
1130	19° 40'	91° 48'	4-25-59	1400-1450	27	M.Sp.Co.	83	78	--	54/74' roller trawl
1131	19° 42'	91° 47'	4-25-59	1515-1650	27-30	M.Sp.Co.	74	78	--	54/74' roller trawl
1132	19° 44'	91° 47'	4-25-59	1720-1820	29	M.Sp.Co.	80	78	--	54/74' roller trawl
1133	19° 48'	91° 47'	4-25-59	1850-1920	29	M.Sp.Co.	76	78	--	54/74' roller trawl
1134	19° 58'	91° 43'	4-26-59	0600-0730	28	M.Sp.Co.	77	78.8	--	54/74' roller trawl
1135	20° 03'	91° 43'	4-26-59	0800-0930	27	M.Co.Sp.	--	78.8	--	54/74' roller trawl
1136	20° 03'	91° 48'	4-26-59	0955-1045	27	M.Sp.	82	78.8	--	54/74' roller trawl
1137	20° 03'	91° 56'	4-26-59	1450-1525	27	M.Sp.Co.	84	78	--	54/74' roller trawl
1138	20° 05'	91° 55'	4-26-59	--	25	M.Sp.Co.	80	78	--	54/74' roller trawl
1139	20° 05'	91° 51'	4-26-59	1840-2020	26	M.Sp.Co.	78	78	--	54/74' roller trawl
1140	20° 05'	91° 51'	4-27-59	0615-0730	25	M.Sp.	74	77.5	--	54/74' roller trawl
1141	20° 05'	91° 55'	4-27-59	0755-0925	25	M.Sp.	77	78	--	54/74' roller trawl
1142	20° 06'	91° 55'	4-27-59	0950-1125	25	M.Sp.	78	78	--	54/74' roller trawl
1143	20° 05'	91° 51'	4-27-59	1145-1315	25	M.Sp.	78	78	--	54/74' roller trawl
1144	20° 05'	91° 51'	4-27-59	1345-1515	25-35	M.Sp.	82	78	--	54/74' roller trawl
1145	20° 06'	92° 01'	4-27-59	1545-1715	35-40	M.	80	78	--	54/74' roller trawl
1146	20° 02'	92° 02'	4-27-59	1740-1950	40-55	M.	78	78	--	54/74' roller trawl
1147	20° 02'	92° 05'	4-28-59	0530-0700	45	M.Cl.	77	76	--	54/74' roller trawl
1148	20° 00'	92° 00'	4-28-59	0730-0900	47-58	M.Cl.	76	76	--	54/74' roller trawl
1149	20° 00'	92° 00'	4-28-59	0935-1105	38-39	M.Cl.	77	76	--	54/74' roller trawl
1150	20° 03'	92° 02'	4-28-59	1135-1305	37	M.Cl.	82	77	--	54/74' roller trawl
1151	20° 00'	92° 00'	4-28-59	1340-1510	36-46	M.Cl.	83	77	--	54/74' roller trawl
1152	20° 03'	92° 02'	4-28-59	1550-1750	37-42	M.Cl.	82	78.6	--	54/74' roller trawl
1153	20° 00'	92° 00'	4-28-59	1855-1955	39	M.Cl.	78	78.6	--	54/74' roller trawl
1154	20° 00'	92° 00'	4-29-59	0615-0815	43-38	M.Cl.	78	78	--	54/74' roller trawl
1155	20° 03'	92° 02'	4-29-59	0850-1050	38-42	M.Cl.	78	78	--	54/74' roller trawl
1156	20° 00'	92° 00'	4-29-59	1120-1320	32-42	M.Cl.	80	78	--	54/74' roller trawl
1157	20° 03'	92° 02'	4-29-59	1420-1620	37-41	M.Cl.	82	78.5	--	54/74' roller trawl
1158	20° 00'	92° 03'	4-29-59	1650-1820	33-32	M.Cl.	79	78.5	--	54/74' roller trawl
1159	20° 03'	92° 02'	4-29-59	1845-2020	33	M.Cl.	78	78.5	--	54/74' roller trawl
1160	20° 00'	92° 03'	4-30-59	0535-0735	32-35	M.Cl.	79	78.5	--	54/74' roller trawl
1161	20° 03'	92° 02'	4-30-59	0805-1005	35-37	M.Cl.	78	79	--	54/74' roller trawl
1162	20° 00'	92° 03'	4-30-59	1035-1235	37-38	M.Cl.	82	79	--	54/74' roller trawl
1163	20° 03'	92° 03'	4-30-59	1305-1505	32-37	M.Cl.	84	79.5	--	54/74' roller trawl
1164	20° 00'	92° 03'	4-30-59	1540-1710	32-39	M.Cl.	82	80	--	54/74' roller trawl
1165	20° 03'	92° 02'	4-30-59	1745-1850	38	M.Cl.	80	80	--	54/74' roller trawl
1166	20° 00'	92° 03'	5-1-59	0540-0640	36-40	M.Cl.	79	81.5	--	54/74' roller trawl
1167	20° 03'	92° 02'	5-1-59	0915-1215	34-32	M.Cl.	80	81.5	--	54/74' roller trawl
1168	20° 00'	92° 03'	5-1-59	1310-1510	34-46	M.Cl.	82	80.1	--	54/74' roller trawl
1169	20° 03'	92° 02'	5-1-59	1540-1835	40-35	M.Cl.	82	80.1	--	54/74' roller trawl
1170	20° 18'	92° 09'	5-2-59	0635-0935	40-38	M.Cl.	79	81	--	54/74' roller trawl
1171	20° 18'	92° 09'	5-2-59	1015-1245	40	M.Cl.	80	81	--	54/74' roller trawl
1172	20° 18'	92° 08'	5-2-59	1315-1435	36	M.Cl.	82	81	--	54/74' roller trawl
1173	20° 18'	92° 09'	5-2-59	1550-1835	36	M.Cl.	82	81	--	54/74' roller trawl
1174	20° 18'	92° 09'	5-3-59	0720-0900	34	M.Cl.	79	80	--	54/74' roller trawl
1175	20° 18'	92° 09'	5-3-59	0925-1100	38	M.Cl.	78	80	--	54/74' roller trawl
1176	29° 08.5'	88° 18'	6-2-59	2252-2352	200	M.	79	82	--	40' flat trawl
1177	29° 12'	88° 03'	6-3-59	0140-0240	200	M.	84	82	--	40' flat trawl
1178	29° 09'	88° 16'	6-3-59	0413-0613	225	M.	81	82	--	40' flat trawl
1179	29° 06'	88° 18.5'	6-3-59	0745-0945	250	M.	84	82	--	40' flat trawl
1180	29° 07'	88° 11'	6-3-59	1130-1400	300	M.	85	82	--	40' flat trawl
1181	29° 03'	88° 20'	6-3-59	1555-1855	400	M.	85	82	--	40' flat trawl
1182	29° 02'	88° 09'	6-3-59	2245-0215	600	M.	80	83	--	40' flat trawl
1183	28° 45.05'	88° 17.05'	6-4-59	0650-1050	800-850	M.	84	82	--	40' flat trawl
1184	23° 56'	87° 32'	6-5-59	2105-2205	150	M.	84	86	--	40' flat trawl
1185	23° 58'	87° 29.5'	6-5/6-59	2400-0100	200	M.	82	86	--	40' flat trawl
1186	24° 00'	87° 12'	6-6-59	0412-0542	350-375	--	82	85	--	40' flat trawl
1187	23° 06'	87° 11'	6-6-59	1523-1607	150	Rk.	65	65	--	40' flat trawl
1188	24° 28'	83° 30'	6-7-59	1730-1830	100	M.S.	84	65	--	40' flat trawl
1189	24° 20.5'	83° 25'	6-7-59	1940-2140	160	M.S.	82	65	--	40' flat trawl
1190	24° 28'	83° 34'	6-7/8-59	2245-0045	180	M.S.	82	65	--	40' flat trawl
1191	24° 28'	83° 29'	6-8-59	0153-0353	200	M.S.	81	65	--	40' flat trawl
1192	24° 34'	83° 35'	6-8-59	0458-0658	220	M.S.	83	65	--	40' flat trawl
1193	24° 24.5'	83° 30'	6-8-59	0810-1010	250	M.S.	85	65	--	40' flat trawl
1194	24° 28.5'	83° 33'	6-8-59	1147-0147	300	M.S.	88	84	--	40' flat trawl
1195	24° 26'	83° 33'	6-8-59	--	350	M.S.	65	84	--	40' flat trawl
1196	24° 11'	83° 21.5'	6-8-59	1821-2121	400	M.S.	85	85	--	40' flat trawl
1197	24° 15'	83° 36'	6-8-59	2315-0215	500	M.S.	81	85	--	40' flat trawl
1198	24° 11'	83° 31'	6-9-59	0500-0900	200	M.S.	81	85	--	40' flat trawl
1199	24° 18'	83° 18'	6-9-59	1005-1405	200	M.S.	88	85	--	40' flat trawl
1200	25° 13'	84° 15'	6-8-59	2400-0200	100	M.S.	87	85	--	40' flat trawl

Table 4.--M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		° F.	° F.	° F.	
1501	34°05'	76°25.5'	12-8-59	1940-2040	21	S.Sh.	55	64	69.4	60/80' shrimp trawl
1502	34°00'	76°34'	12-8-59	2228-2328	22	S.Sh.	57	64	69.4	60/80' shrimp trawl
1503	33°48.5'	76°35'	12-9-59	0135-0235	25	S.	59	72	--	60/80' shrimp trawl
1504	33°43'	76°43.5'	12-9-59	0400-0500	25	S.	58	74	--	60/80' shrimp trawl
1505	33°39'	76°48'	12-9-59	0615-0745	55-58	--	58	74	--	60/80' shrimp trawl
1506	33°40.5'	76°59.5'	12-9-59	0927-1057	21-22	--	58	71	--	60/80' shrimp trawl
1507	33°42'	77°11'	12-9-59	1230-1330	21-20	S.Co.	62	69	--	60/80' shrimp trawl
1508	33°48.5'	77°27'	12-9-59	1455-1525	18	S.Sh.	60	66	--	60/80' shrimp trawl
1509	33°59'	77°25'	12-9-59	1805-1815	14	S.Sh.	58	62	--	60/80' shrimp trawl
1510	34°17'	77°06'	12-9-59	2140-2210	14	S.Sh.	58	58	--	8' scallop dredge
1511	34°18'	77°02'	12-9-59	2220-2250	14	--	58	58	--	8' scallop dredge
1512	34°23.5'	76°56.5'	12-10-59	0225-0255	13	S.Sh.	53	54	--	8' scallop dredge
1513	34°29'	76°50'	12-10-59	0345-0417	12	S.Sh.	53	54	--	8' scallop dredge
1514	34°33.5'	76°42'	12-10-59	0505-0532	9-8	S.Sh.	53	54	--	8' scallop dredge
1515	33°37'	76°49.3'	12-11-59	1900-1945	48-55	Co.S.	67	69	--	8' scallop dredge
1516	33°36'	76°50.5'	12-11-59	2023-2053	55-52	Co.S.	67	69	--	8' scallop dredge
1517	33°30.5'	76°51'	12-11-59	2150-2251	96-105	Co.S.	67	77	--	8' scallop dredge
1518	31°27.5'	80°56'	1-13-60	1900-2000	7½	hrd.S.	--	53	--	40' shrimp trawl
1519	31°20.5'	81°04.7'	1-13-60	2145-2245	6-6½	hrd.S.	58	52	--	40' shrimp trawl
1520	31°15.5'	80°52'	1-14-60	0005-0105	5½-9	--	55	54	--	40' shrimp trawl
1521	31°13'	80°38.5'	1-14-60	0212-0312	8½-9	hrd.S.	61	55.5	--	40' shrimp trawl
1522	31°13'	80°25.5'	1-14-60	0510-0610	18	hrd.S.	61	62	--	40' shrimp trawl
1523	31°13.5'	80°10.5'	1-14-60	0742-0842	22-22½	S.Sh.	63	68	--	40' shrimp trawl
1524	31°02'	80°10'	1-14-60	1002-1102	22-21	gy.S.Sh.	60	70	--	40' shrimp trawl
1525	31°00.5'	80°22.5'	1-14-60	1218-1318	19-17	--	60	65.5	65.5	40' shrimp trawl
1526	30°57'	80°34'	1-14-60	1433-1530	17-15	gy.S.Sh.	60	58	--	40' shrimp trawl
1527	30°55'	80°52'	1-14-60	1646-1746	14-12	hrd.S.	60	56	57.3	40' shrimp trawl
1528	30°54'	81°05.5'	1-14-60	1912-2012	7½	hrd.S.	58	56.5	57.2	40' shrimp trawl
1529	30°53'	81°17'	1-14-60	2150-2250	5½-6	hrd.S.	61	56	57.2	40' shrimp trawl
1530	30°42'	81°14'	1-15-60	0020-0125	6½-8	--	60	56	57.3	40' shrimp trawl
1531	30°40'	80°58'	1-15-60	0245-0345	10-11	S.	60	58	57.3	40' shrimp trawl
1532	30°38'	80°46.5'	1-15-60	0505-0605	13	gy.S.Sh.	61	64	--	40' shrimp trawl
1533	30°38.5'	80°33'	1-15-60	0740-0840	18	gy.S.Sh.	61	65	--	40' shrimp trawl
1534	30°39.5'	80°17'	1-15-59	1025-1130	22-23	S.Sh.	69	70	--	40' shrimp trawl
1535	30°34.5'	80°12'	1-15-60	1310-1410	25	S.Sh.	69	70	--	60/80' balloon trawl
1536	30°31.5'	80°31'	1-15-60	1638-1748	19	gy.S.Sh.	69	62	--	60/80' balloon trawl
1537	30°32.5'	80°46.5'	1-15-60	1935-2035	16-15	gy.S.Sh.	66	75	--	60/80' balloon trawl
1538	30°33'	80°49.5'	1-15-60	--	15	--	--	--	--	Night light station
1539	30°39.5'	80°45.5'	1-16-60	0440-0540	15-12	gy.S.Sh.	56	60	--	60/80' balloon trawl
1540	30°48'	81°06.5'	1-16-60	0825-0925	9-8	gy.S.Sh.	56	55	--	60/80' balloon trawl
1541	30°56'	80°56'	1-16-60	1127-1227	11	gy.S.Sh.	68	56	--	60/80' balloon trawl
1542	31°07'	80°50'	1-16-60	1350-1450	11-9	S.Sh.	69	55	57.6	60/80' balloon trawl
1543	31°23'	80°34.5'	1-16-60	1700-1800	10-11	gy.S.Sh.	53	54	--	60/80' balloon trawl
1544	31°22.5'	80°34.5'	1-16-60	1943-2043	14-17	gy.S.Sh.	53	56	--	60/80' balloon trawl
1545	31°27'	80°15'	1-17-60	0500-0600	18-19	gy.S.Sh.	55	66	--	60/80' balloon trawl
1546	31°16'	80°12'	1-17-60	0719-0819	23-21	gy.S.Sh.	55	65	--	60/80' balloon trawl
1547	31°08.5'	80°22.5'	1-17-60	0940-1040	17-18	gy.S.Sh.	55	65	--	60/80' balloon trawl
1548	30°52'	80°18'	1-17-60	1250-1350	22-21	--	70	67	--	60/80' balloon trawl
1549	30°40'	80°15.5'	1-17-60	1510-1610	22-25	--	70	73	--	60/80' balloon trawl
1550	30°34'	80°17'	1-17-60	1735-1835	22-21	--	65	70	--	60/80' balloon trawl
1551	29°50'	80°09'	1-18-60	2030-2330	185	gy.S.	63	73	--	40' shrimp trawl
1552	29°43.5'	80°12'	1-19-60	0040-0340	165	gy.S.	55	75	--	40' shrimp trawl
1553	29°39'	81°06'	1-19-60	1325-1425	10-9	gy.S.	44	60	--	41/47' shrimp trawl
1554	29°24.5'	80°25'	1-19-60	1935-2005	20-22	gy.S.Sh.	51	70	--	8' scallop dredge
1555	29°27'	80°20.2'	1-19-60	2045-2115	24-26	gy.S.Sh.	51	71	--	8' scallop dredge
1556	29°28'	80°18'	1-19-60	2130-2200	26-27	gy.S.Sh.	51	72	--	8' scallop dredge
1557	29°30.5'	80°19'	1-19-60	2225-2255	27-28	gy.S.Sh.	52	73	--	8' scallop dredge
1558	29°33.5'	80°16.5'	1-19-60	2330-2400	36	gy.S.Sh.	53	74	--	8' scallop dredge
1559	29°36'	80°16.5'	1-20-60	0024-0100	38-41	G.S.Sh.	53	74	--	8' scallop dredge
1560	29°38'	80°16.5'	1-20-60	0118-1148	38-41	G.S.Sh.	53	75	--	8' scallop dredge
1561	29°41'	80°15'	1-20-60	0205-0235	51	G.S.Sh.	53	75	--	8' scallop dredge
1562	29°01.5'	80°42'	1-21-60	1322-1422	9	--	40	60	--	41/47' shrimp trawl
1563	29°03'	80°44'	1-21-60	1513-1530	9-10	S.Sh.	40	60	--	8' scallop dredge
1564	29°04.5'	80°45.5'	1-21-60	1556-1611	8-9	S.Sh.	42	60	--	8' scallop dredge
1565	29°04.5'	80°39'	1-21-60	1705-1735	11	S.Sh.	41	61	--	8' scallop dredge
1566	29°03.3'	80°26'	1-21-60	1850-1905	14-15	S.Sh.	47	67	--	8' scallop dredge
1567	29°01.5'	80°13.5'	1-21-60	2014-2029	25-27	S.Sh.	47	69	--	8' scallop dredge
1568	29°03'	80°12'	1-21-60	2040-2055	27-32	S.Sh.	47	72	--	8' scallop dredge
1569	29°03'	80°09.5'	1-21-60	2112-2127	32-37	S.Sh.	47	72	--	8' scallop dredge
1570	29°03.5'	80°08'	1-21-60	2141-2156	37-33	S.Sh.	46	70	--	8' scallop dredge
1571	29°03'	80°15.5'	1-21-60	2247-2302	25-23	S.Sh.	46	70	--	8' scallop dredge
1572	29°02.5'	80°17.5'	1-21-60	2320-2335	23-22	S.Sh.	46	70	--	8' scallop dredge
1573	31°19'	81°11'	1-23-60	1525-1555	5-6	M.Sh.	34	47	--	Fall River clam dredge
1574	31°19'	81°11'	1-23-60	1617-1632	5	M.S.Sh.	34	48	--	Fall River clam dredge
1575	31°17.5'	81°11'	1-23-60	1641-1656	5	M.S.Sh.	34	48	--	14-tooth clam dredge
1576	31°18'	81°11.5'	1-23-60	1705-1715	5-4½	M.Sh.	40	48	--	14-tooth clam dredge
1577	31°15'	81°12'	1-23-60	1731-1746	3½	S.	40	48	--	14-tooth clam dredge
1578	31°12'	81°13.5'	1-23-60	1825-1840	3½-4	M.	40	47	--	14-tooth clam dredge
1579	31°11'	81°14'	1-23-60	1850-1905	4	--	40	47	--	14-tooth clam dredge
1580	31°09.2'	81°16.5'	1-23-60	1924-1939	4	M.Sh.	40	47	--	14-tooth clam dredge
1581	31°06'	81°16'	1-23-60	1958-2013	4-4½	--	40	48	--	14-tooth clam dredge
1582	31°04'	81°16.5'	1-23-60	2030-2045	4-4½	--	40	48	--	14-tooth clam dredge
1583	31°01'	81°17.5'	1-23-60	2105-2122	4½	hrd.S.	40	48	--	14-tooth clam dredge
1584	30°54.5'	81°10.5'	1-24-60	0630-0646	7	--	37	48	--	14-tooth clam dredge
1585	30°55.5'	81°18.5'	1-24-60	0738-0753	4½	hrd.S.	37	48	--	14-tooth clam dredge
1586	30°53.5'	81°19'	1-24-60	0820-0835	4	hrd.S.	37	48	--	14-tooth clam dredge
1587	30°50.5'	81°21'	1-24-60	0859-0902	4½	--	37	48	--	14-tooth clam dredge
1588	30°43.5'	81°21.7'	1-24-60	1010-1025	6-5	M.	37	48	--	14-tooth clam dredge
1589	30°43.8'	81°23.2'	1-24-60	1032-1047	5-4½	M.	37	48	--	14-tooth clam dredge
1590	30°44'	81°24.3'	1-24-60	1108-1123	4½-5½	M.	37	48	--	14-tooth clam dredge
1591	30°44.2'	81°25.8'	1-24-60	1132-1147	3½	M.	42	48	--	14-tooth clam dredge
1592	30°45.4'	81°26.2'	1-24-60	1202-1232	3½	M.	42	46	--	14-tooth clam dredge
1593	30°46.7'	81°25'	1-24-60	1244-1259	3½	M.	42	46	--	14-tooth clam dredge
1594	30°45.1'	81°23.3'	1-24-60	1311-1326	3½	M.	42	46	--	14-tooth clam dredge
1595	30°38.9'	81°23.5'	1-24-60	1400-1416	4½-3½	S.Sh.	44	49	--	14-tooth clam dredge
1596	30°36.9'	81°24.7'	1-24-60	1427-1442	4	--	42	49	--	14-tooth clam dredge
1597	30°33.5'	81°25.5'	1-24-60	1504-1520	3½	--	42	49	--	14-tooth clam dredge
1598	30°39.4'	81°22.4'	1-24-60	1543-1600	6-5½	--	42	53	--	14-tooth clam dredge
1599	30°25.5'	81°24'	1-24-60	1616-1631	5½-6½	--	42	53	--	14-tooth clam dredge
1600	30°24.2'	81°23'	1-24-60	1644-1650	5	--	42	53	--	14-tooth clam dredge



Table 4.--M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
							° F.	° F.	° F.	
					Fathoms					
1601	30°23'	81°23.7'	1-24-60	1715-1719	5	--	42	52	--	14-tooth clam dredge
1602	30°20.1'	81°22.3'	1-24-60	1743-1758	6½	M.	42	52	--	14-tooth clam dredge
1603	30°18'	81°10'	1-24-60	2000-2200	11	--	--	53	--	Night light station
1604	29°50.5'	80°10'	1-25-60	1805-2105	175-155	M.	53	70	--	41/47' shrimp trawl
1605	29°43.5'	80°10.5'	1-25-60	2220-0120	195	M.	53	74	--	41/47' shrimp trawl
1606	29°40'	80°12.5'	1-26-60	0210-0510	180-200	M.	59	75	--	41/47' shrimp trawl
1607	29°34'	80°09.5'	1-26-60	0600-0900	180-225	M.	59	76	--	41/47' shrimp trawl
1608	29°24'	80°06.5'	1-26-60	1125-1425	190-225	M.	69	76	--	41/47' shrimp trawl
1609	29°18'	80°03'	1-26-60	1510-1810	225-175	M.	72	76	--	41/47' shrimp trawl
1610	29°14.5'	80°02'	1-26-60	1905-2205	210-200	M.	72	76	--	41/47' shrimp trawl
1611	29°06'	80°00'	1-26-60	2250-0150	185-210	M.	64	76	--	41/47' shrimp trawl
1612	29°01'	79°58'	1-27-60	0245-0545	200-210	M.	67	76	--	41/47' shrimp trawl
1613	28°58.5'	79°53.5'	1-27-60	0620-0920	230-215	M.	67	76	--	41/47' shrimp trawl
1614	29°19'	79°59.5'	1-27-60	1050-1350	240-250	M.	72	77	--	41/47' shrimp trawl
1615	29°17.5'	79°59'	1-27-60	1515-1815	240-250	M.	70	77	--	41/47' shrimp trawl
1616	29°19'	80°02'	1-27-60	1930-2040	210	M.	70	77	--	41/47' shrimp trawl
1617	29°24.5'	80°06.5'	1-27-60	2300-0200	185	M.	69	77	--	41/47' shrimp trawl
1618	29°21.5'	80°04.5'	1-28-60	0317-0617	210	M.	69	76	--	41/47' shrimp trawl
1619	29°42.5'	80°06'	1-28-60	0905-1205	200-210	M.	67	73	--	41/47' shrimp trawl
1620	29°36'	80°06'	1-28-60	1240-1410	210	M.	67	75	--	Dip statioo
1621	30°48.5'	80°29'	1-28-60	2140-2240	20	--	61	58	--	41/47' shrimp trawl
1622	30°48.5'	80°40'	1-29-60	0007-0107	16-14	--	61	54	--	41/47' shrimp trawl
1623	30°49'	80°52'	1-29-60	0220-0320	11-10	--	61	52	--	41/47' shrimp trawl
1624	34°28.8'	76°37.2'	2-22-60	0840-0940	9½-11½	S.Sh.	43	46	--	40' 2-seam shrimp trawl
1625	34°19'	76°34.4'	2-22-60	1058-1158	12	S.Sh.	44	48	--	41/47' shrimp trawl
1626	34°08'	76°26.5'	2-22-60	1320-1420	20	S.Sh.	44	60	--	41/47' shrimp trawl
1627	34°16.5'	76°15.5'	2-22-60	1537-1637	19-17	S.Sh.	46	49	--	41/47' shrimp trawl
1628	34°27'	76°06.5'	2-22-60	1800-1902	22	S.Sh.	45	61	--	41/47' shrimp trawl
1629	34°36.5'	76°06'	2-22-60	2015-2115	10½-17½	S.Sh.	40	62	--	41/47' shrimp trawl
1630	34°49'	76°09.5'	2-22-60	2240-2340	12-10	S.G.	40	48	--	41/47' shrimp trawl
1631	34°57'	76°03'	2-23-60	0105-0205	10-9	S.G.	40	47	--	41/47' shrimp trawl
1632	34°59'	75°51'	2-23-60	0320-0420	12	S.	43	48	--	41/47' shrimp trawl
1633	34°58'	75°36.5'	2-23-60	0545-0645	19-17	S.Sh.	40	59	--	41/47' shrimp trawl
1634	35°02'	75°26'	2-23-60	0805-0905	30-32	S.	42	65	--	41/47' shrimp trawl
1635	35°06'	75°08.5'	2-23-60	1045-1215	100	G.Sh.	43	65	--	41/47' shrimp trawl
1636	34°54'	75°22.5'	2-23-60	1412-1543	102-100	S.Sh.	44	65	--	40' 2-seam shrimp trawl
1637	34°48.5'	75°37'	2-23-60	1720-1820	30-25	S.	41	56	61.16	41/47' shrimp trawl
1638	34°49'	75°51'	2-23-60	1952-2052	17-15	S.Sh.	40	57	56.48	41/47' shrimp trawl
1639	34°55'	76°04.5'	2-23-60	2215-2315	12-11	S.Sh.	40	54	--	41/47' shrimp trawl
1640	34°47.5'	76°18.5'	2-23/24-60	2430-0130	9	S.Sh.	40	49	51.8	41/47' shrimp trawl
1641	34°45'	76°21'	2-24-60	0150-0250	9	S.Sh.	40	47	--	41/47' shrimp trawl
1642	34°38.5'	76°24'	2-24-60	0350-0450	9-10	S.Sh.	42	45	--	41/47' shrimp trawl
1643	34°46'	76°08.5'	2-24-60	0607-0709	18-20	S.Sh.	42	59	--	41/47' shrimp trawl
1644	34°36'	76°08.5'	2-24-60	0745-0815	20-19	S.Sh.	45	60	--	8' scallop dredge
1645	34°38'	76°07.5'	2-24-60	0827-0857	19	S.Sh.	44	60	--	8' scallop dredge
1646	34°39'	76°04.5'	2-24-60	0927-0957	19	S.Sh.	46	59	--	8' scallop dredge
1647	34°41.5'	76°00.5'	2-24-60	1032-1107	19	S.Sh.	46	52	--	8' scallop dredge
1648	34°43'	75°55.5'	2-24-60	1137-1207	19	S.Sh.	56	56	--	8' scallop dredge
1649	34°46'	75°56.5'	2-24-60	1237-1307	16	S.	46	56	56.88	8' scallop dredge
1650	34°45'	76°02'	2-24-60	1335-1405	16	S.	46	56	--	8' scallop dredge
1651	34°44'	76°07.5'	2-24-60	1437-1507	16	S.	46	53	56.88	8' scallop dredge
1652	34°36'	76°12.5'	2-24-60	1600-1630	21-20	S.Sh.	46	60	59.0	8' scallop dredge
1653	34°36.5'	76°06.5'	2-24-60	1710-1740	18	S.Sh.	46	60	--	8' scallop dredge
1654	34°38.5'	75°59'	2-24-60	1843-1943	21-20	S.Sh.	53	60	--	41/47' shrimp trawl
1655	34°45'	75°49'	2-24-60	2102-2202	21-18	S.Sh.	57	57	--	41/47' shrimp trawl
1656	34°54.5'	75°41'	2-24-60	2322-0022	20-24	S.	57	63	--	41/47' shrimp trawl
1657	34°45'	75°47'	2-25-60	0150-0250	24-22	S.	57	63	--	41/47' shrimp trawl
1658	34°36'	75°48.5'	2-25-60	0435-0535	32-30	S.Sh.	55	61	--	41/47' shrimp trawl
1659	34°33'	76°48.5'	2-26-60	0858-0958	10-11	G.Sh.	44	63	51.4	41/47' shrimp trawl
1660	34°19.5'	76°46.5'	2-26-60	1122-1222	14-15	S.Sh.	50	57	52.7	41/47' shrimp trawl
1661	34°10'	76°52.5'	2-26-60	1347-1447	16	Sh.S.	50	54	--	40' flat shrimp trawl
1662	34°08'	77°10'	2-26-60	1645-1745	15	S.	50	56	58.8	41/47' shrimp trawl
1663	34°20'	77°22.5'	2-26-60	1940-2040	9-8	S.	46	47	--	41/47' shrimp trawl
1664	34°18.5'	77°34.5'	2-26-60	2145-2245	7	S.	44	45	--	41/47' shrimp trawl
1665	34°09'	77°43'	2-27-60	0000-0100	7	S.Sh.	41	47	--	41/47' shrimp trawl
1666	33°57.5'	77°50.5'	2-27-60	0215-0315	6	S.Sh.	41	47	--	41/47' shrimp trawl
1667	33°45'	77°52'	2-27-60	0430-0530	5	S.G.	39	47	--	41/47' shrimp trawl
1668	33°36.5'	77°40'	2-27-60	0700-0800	6½-9	S.G.	39	48	52.7	41/47' shrimp trawl
1669	33°25.5'	77°31.5'	2-27-60	0920-1020	12-13	S.Sh.	57	52	--	41/47' shrimp trawl
1670	34°11'	77°18'	2-27-60	1220-1350	105-100	S.	58	62	--	41/47' shrimp trawl
1671	33°06'	77°11'	2-27-60	1453-1653	150	M.	59	62	--	41/47' shrimp trawl
1672	33°11'	77°51'	2-27-60	1916-2017	32-30	S.	46	62	--	41/47' shrimp trawl
1673	33°14.5'	77°41'	2-27-60	2137-2237	19	S.	46	60	--	41/47' shrimp trawl
1674	33°21.5'	77°53'	2-28-60	0000-0100	16-15	S.Sh.	47	58	--	41/47' shrimp trawl
1675	33°31.5'	78°05'	2-28-60	0215-0315	13-11	S.	47	51	--	41/47' shrimp trawl
1676	33°38.5'	78°09.5'	2-28-60	0425-0525	9	S.	46	48	--	41/47' shrimp trawl
1677	33°50.15'	78°04.07'	2-28-60	0707-0722	5-5½	M.	45	47	--	14-tooth clam dredge
1678	33°50.15'	78°05'	2-28-60	0730-0745	5½-6	M.	46	47	--	14-tooth clam dredge
1679	33°51'	78°06'	2-28-60	0802-0815	5½-5	M.	54	47	--	14-tooth clam dredge
1680	33°53.1'	78°04.5'	2-28-60	0851-0906	3½	M.	--	47	--	14-tooth clam dredge
1681	33°50'	78°01'	2-28-60	0947-1002	4	M.	64	47	--	14-tooth clam dredge
1682	33°49'	78°02'	2-28-60	1035-1050	6-6½	M.	64	47	--	14-tooth clam dredge
1683	33°48'	78°02.5'	2-28-60	1100-1115	6½-6	M.	64	47	--	14-tooth clam dredge
1684	33°49'	78°02'	2-28-60	1132-1147	6-5½	M.	64	48	--	14-tooth clam dredge
1685	33°48.2'	78°01'	2-28-60	1155-1210	5½	M.	64	48	--	14-tooth clam dredge
1686	33°47'	78°01'	2-28-60	1220-1235	5½	M.	64	48	--	14-tooth clam dredge
1687	33°47.2'	77°59.8'	2-28-60	1240-1255	5½	M.	64	48	--	14-tooth clam dredge
1688	33°49'	78°02'	2-28-60	1337-1400	5-4½	M.	64	48	--	14-tooth clam dredge
1689	33°50'	78°01'	2-28-60	1427-1442	4-4½	M.	64	48	51.44	14-tooth clam dredge
1690	33°45'	77°58.5'	2-28-60	1525-1545	6½-7	S.	54	48	--	14-tooth clam dredge
1691	33°42.5'	77°29.5'	2-28-60	2025-2125	14-18	S.G.	61	56	--	41/47' shrimp trawl
1692	33°21'	77°17.5'	2-28-60	2250-2350	25-26	S.G.	61	60	--	41/47' shrimp trawl
1693	33°25'	77°00'	2-29-60	0115-0245	102-104	M.	61	65	--	41/47' shrimp trawl
1694	33°36'	76°44'	2-29-60	0435-0605	104	M.S.	58	65	--	41/47' shrimp trawl
1695	33°57.5'	77°01'	2-29-60	1007-1030	19	Sh.	60	56	--	8' scallop dredge
1696	33°57'	76°54.5'	2-29-60	1131-1201	18	S.Sh.	56	57	--	8' scallop dredge
1697	34°01'	76°51'	2-29-60	1234-1305	18	S.Sh.	56	57	59.5	8' scallop dredge
1698	34°03.5'	76°44'	2-29-60	1400-1430	20	S.Sh.	56	56	--	8' scallop dredge
1699	34°05.5'	76°43.5'	2-29-60	1512-1542	21	S.Sh.	56	55	--	8' scallop dredge
1700	34°09.5'	76°31'	2-29-60	1645-1715	17	S.	56	59	--	8' scallop dredge

Table 4.--M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		° F.	° F.	° F.	
1701	34°12'	76°29.5'	2-29-60	1728-1758	17	S.	50	59	--	8' scallop dredge
1702	34°17.5'	76°33.5'	2-29-60	1852-1922	17	S.Co.	50	59	61.3	8' scallop dredge
1703	34°14'	76°40'	2-29-60	2008-2038	16-18	Sh.Co.	50	59	--	8' scallop dredge
1704	34°13'	76°48.5'	2-29-60	2125-2155	16-17	Sh.Co.	48	53	--	8' scallop dredge
1705	34°12.5'	77°00'	3-1-60	0115-0145	15	S.	46	54	--	8' scallop dredge
1706	34°16'	77°05'	3-1-60	0235-0305	13	S.	41	48	--	8' scallop dredge
1707	34°39'	76°35'	3-2-60	0750-0805	6	M.	32	45	--	14-tooth clam dredge
1708	34°38'	76°35'	3-2-60	0817-0832	6	S.M.	36	47	--	14-tooth clam dredge
1709	34°37'	76°35'	3-2-60	0842-0857	7-7½	M.	36	47	--	14-tooth clam dredge
1710	34°36'	76°35'	3-2-60	0905-0935	7½-7	M.	38	48	--	14-tooth clam dredge
1711	34°35'	76°33'	3-2-60	0949-1019	5	M.	40	47	--	14-tooth clam dredge
1712	34°36.5'	76°34.6'	3-2-60	1029-1059	5	M.	40	46	--	14-tooth clam dredge
1713	34°36.5'	76°34.6'	3-2-60	--	8-6	M.	40	46	--	14-tooth clam dredge
1714	34°37.1'	76°33.8'	3-2-60	1152-1222	6	M.S.	40	48	--	14-tooth clam dredge
1715	34°37.5'	76°33.6'	3-2-60	1232-1307	6-4	M.	35	47	--	14-tooth clam dredge
1716	34°39.5'	76°35'	3-2-60	1312-1342	4-5	S.M.	35	47	--	14-tooth clam dredge
1717	34°39.6'	76°36.6'	3-2-60	1350-1422	5-5½	M.	33	46	--	14-tooth clam dredge
1718	34°39.7'	76°39'	3-2-60	1432-1502	5½	M.	32	45	--	14-tooth clam dredge
1719	34°39.4'	76°39.9'	3-2-60	1510-1540	7	S.M.	30	45	--	14-tooth clam dredge
1720	34°39.5'	76°41.5'	3-2-60	1550-1620	7	S.M.	30	44	--	14-tooth clam dredge
1721	33°48.5'	76°13.5'	3-5-60	2100-2200	8-6½	S.Sh.	28	42	--	41/47' shrimp trawl
1722	33°48.5'	76°26.5'	3-5/6-60	2355-0055	5	S.Sh.	28	42	--	41/47' shrimp trawl
1723	33°43.5'	76°41'	3-6-60	0220-0320	5	S.Sh.	26	41	--	41/47' shrimp trawl
1724	33°36.5'	76°52.5'	3-6-60	0435-0535	5	S.Sh.	25	41	--	41/47' shrimp trawl
1725	33°24.5'	76°57.5'	3-6-60	0657-0757	5-6½	S.Sh.	25	41	--	41/47' shrimp trawl
1726	33°12'	79°03.5'	3-6-60	0910-1010	5	S.Sh.	42	44	--	41/47' shrimp trawl
1727	33°04.5'	76°55'	3-6-60	1125-1225	7½-8½	S.	44	47	53.96	41/47' shrimp trawl
1728	33°09'	76°45.5'	3-6-60	1340-1440	10	S.Sh.	32	48	--	41/47' shrimp trawl
1729	33°17'	76°35'	3-6-60	1555-1655	10½-11	S.Sh.	38	49	54.5	41/47' shrimp trawl
1730	33°26'	76°30'	3-6-60	1816-1916	11-12	S.Sh.	36	50	--	41/47' shrimp trawl
1731	33°23.5'	76°20'	3-6-60	2032-2132	13-14	S.	38	56	--	41/47' shrimp trawl
1732	33°03.5'	76°20'	3-6-60	2312-2412	16	S.	38	58	--	41/47' shrimp trawl
1733	33°00.5'	76°26'	3-7-60	0132-0232	17	S.Sh.	37	60	58.55	41/47' shrimp trawl
1734	32°51.5'	76°39'	3-7-60	0405-0505	17	S.Sh.	37	57	58.55	41/47' shrimp trawl
1735	32°46'	76°30'	3-7-60	0625-0725	22	S.Sh.	38	60	61.88	41/47' shrimp trawl
1736	32°53.5'	76°19'	3-7-60	0844-0944	20-19	S.Sh.	40	62	--	41/47' shrimp trawl
1737	33°00.5'	76°10'	3-7-60	1102-1202	18	S.	44	62	--	41/47' shrimp trawl
1738	33°04'	77°59'	3-7-60	1315-1415	20½-21	S.Sh.	44	65	--	41/47' shrimp trawl
1739	32°56.5'	77°47.5'	3-7-60	1555-1725	100-102	S.	46	62	--	41/47' shrimp trawl
1740	32°48.5'	77°57'	3-7-60	1655-1825	125-128	S.	43	62	--	41/47' shrimp trawl
1741	32°41'	78°16.5'	3-7-60	2255-2306	102	S.	44	64	--	41/47' shrimp trawl
1742	32°41'	78°27'	3-8-60	0105-0230	68-45	S.	40	66	--	41/47' shrimp trawl
1743	32°37.5'	78°49'	3-8-60	0422-0522	21-18	S.M.	43	59	--	41/47' shrimp trawl
1744	32°43.5'	78°59'	3-8-60	0644-0744	14	S.Sh.	44	50	--	41/47' shrimp trawl
1745	32°52'	79°07'	3-8-60	0910-1010	11-10	S.Sh.	35	48	--	41/47' shrimp trawl
1746	32°59'	79°06'	3-8-60	1123-1223	5	S.Sh.	35	46	--	41/47' shrimp trawl
1747	32°54'	79°22.5'	3-8-60	1325-1425	5-6	S.Sh.	38	47	--	41/47' shrimp trawl
1748	32°44.5'	79°18.5'	3-8-60	1540-1640	10	S.G.	42	56.3	55.4	41/47' shrimp trawl
1749	32°33.5'	79°20'	3-8-60	--	13-15	S.G.	44	62	60.26	41/47' shrimp trawl
1750	32°26.5'	79°10'	3-8-60	2029-2129	21-22	S.Co.	44	62	--	41/47' shrimp trawl
1751	32°21.5'	78°57'	3-8-60	2255-2355	40	S.Co.	43	62	--	41/47' shrimp trawl
1752	32°21'	78°49'	3-9-60	0155-0325	98-103	S.	44	63	--	41/47' shrimp trawl
1753	32°15'	78°55.5'	3-9-60	0410-0510	102-105	S.	46	63	--	41/47' shrimp trawl
1754	32°06.5'	79°11.5'	3-9-60	0740-0840	49-50	S.	48	62	--	41/47' shrimp trawl
1755	32°08.5'	79°23.5'	3-9-60	1002-1102	22	gy.S.	48	62	--	41/47' shrimp trawl
1756	32°39.5'	79°21.5'	3-10-60	1308-1338	10-10½	S.Sh.	42	48	--	8' scallop dredge
1757	32°43.5'	79°16.5'	3-10-60	1412-1443	10½	S.Sh.	42	48	--	8' scallop dredge
1758	32°42'	79°13.5'	3-10-60	1522-1552	12	S.Sh.	42	53	--	8' scallop dredge
1759	32°39.5'	79°13'	3-10-60	1600-1630	14½	S.Sh.	42	61	--	8' scallop dredge
1760	32°40'	79°07'	3-10-60	1710-1740	14½-15½	S.Sh.	45	61	58.1	8' scallop dredge
1761	32°42'	76°58.5'	3-10-60	1822-1852	16-16½	S.Sh.	45	61	--	8' scallop dredge
1762	32°42'	76°51'	3-10-60	1938-2008	17-18	S.Sh.	45	60	--	8' scallop dredge
1763	32°39'	78°43'	3-10-60	2052-2122	21	S.Sh.	45	61	61.9	8' scallop dredge
1764	32°38.5'	78°35.5'	3-10-60	2213-2228	27	S.Sh.	45	61	--	8' scallop dredge
1765	32°34'	78°39'	3-11-60	0445-0115	25	S.Sh.	45	63	--	8' scallop dredge
1766	32°15'	79°05.5'	3-11-60	0510-0610	40-38	S.	45	68	--	41/47' shrimp trawl
1767	32°08.5'	79°17.5'	3-11-60	0740-0840	33	S.	50	64	--	41/47' shrimp trawl
1768	31°19'	80°33.5'	3-13-60	1342-1412	14½-15½	Sh.	48	54	--	8' scallop dredge
1769	31°20.5'	80°29'	3-13-60	1450-1520	16-15½	S.Sh.	48	52	--	8' scallop dredge
1770	31°23'	80°16.5'	3-13-60	1603-1634	20	--	50	51	53.8	8' scallop dredge
1771	31°23'	80°16.5'	3-13-60	1720-1750	20½-22	S.Sh.	50	49	--	8' scallop dredge
1772	31°24'	80°10.5'	3-13-60	1905-1935	22½	S.Sh.	50	48	--	8' scallop dredge
1773	31°24.5'	80°01.5'	3-13-60	2017-2047	23½-25	S.Sh.	48	48	--	8' scallop dredge
1774	31°28'	80°02'	3-13-60	2132-2202	22½	S.Sh.	46	46	60.8	8' scallop dredge
1775	31°32'	80°07'	3-13-60	2252-2322	18	S.Sh.	46	46	--	8' scallop dredge
1776	31°34.5'	80°15'	3-14-60	0005-0035	17-16	S.Sh.	46	50	--	8' scallop dredge
1777	31°40'	80°21'	3-14-60	0115-0145	15-14½	S.Sh.	46	50	--	8' scallop dredge
1778	31°41'	80°14'	3-14-60	0225-0255	14½-15½	S.Sh.	46	51	--	8' scallop dredge
1779	31°42.5'	80°04'	3-14-60	0358-0408	18-19	S.Sh.	46	56	--	8' scallop dredge
1780	31°43.5'	79°57.5'	3-14-60	0450-0520	20-21	S.Sh.	46	60	--	8' scallop dredge
1781	31°45.5'	79°47.5'	3-14-60	0606-0636	22-23	S.Sh.	48	64	60.98	8' scallop dredge
1782	31°49.5'	79°56.5'	3-14-60	0720-0750	19	S.Sh.	48	63	--	8' scallop dredge
1783	31°53'	79°49'	3-14-60	0833-0903	19-22	S.	54	62	--	8' scallop dredge
1784	31°56'	79°49.5'	3-14-60	0945-1015	19-17	S.	55	59	--	8' scallop dredge
1785	31°58'	79°47.5'	3-14-60	1100-1130	16-18	S.Sh.	56	61	--	8' scallop dredge
1786	32°00.5'	79°39'	3-14-60	1210-1240	23	S.	55	64	--	8' scallop dredge
1787	32°00.5'	79°32'	3-14-60	1320-1350	25-26	gy.S.	55	65	--	8' scallop dredge
1788	32°01'	79°24'	3-14-60	1435-1505	35-45	gy.S.	50	66	--	8' scallop dredge
1789	32°01.5'	79°14.5'	3-14-60	1551-1621	55-70	S.	50	68	--	8' scallop dredge
1790	32°02.5'	79°07'	3-14-60	1738-1823	100-103	S.Sh.	51	68	--	8' scallop dredge
1791	31°58.5'	79°12.5'	3-14-60	--	90	M.	56	68	--	70/90' fish trawl
1792	31°58'	79°11'	3-14-60	--	100	--	56	66	--	Dip station
1793	32°07.5'	79°21'	3-15-60	0010-0040	25	S.	60	64	--	8' scallop dredge
1794	32°10'	79°22.5'	3-15-60	0125-0215	20½-21	S.	60	60	--	8' scallop dredge
1795	32°28.5'	79°59'	3-16-60	1548-1648	5½-6	Sh.	55	44	--	41/47' shrimp trawl
1796	32°14'	79°57'	3-16-60	1826-1926	12-13	S.Sh.	46	53	--	41/47' shrimp trawl
1797	32°04'	79°51'	3-16-60	2045-2145	14-15	S.Sh.	45	60	--	41/47' shrimp trawl
1798	31°52.5'	79°49.5'	3-16-60	2305-0005	20	S.	48	61	--	41/47' shrimp trawl
1799	31°54'	79°57.5'	3-17-60	0117-0217	16-13	S.Sh.	48	62	--	41/47' shrimp trawl
1800	32°04'	80°06'	3-17-60	0332-0432	11-10	S.Sh.	48	56	54.32	41/47' shrimp trawl

Table 4.--H/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		° F.	° F.	° F.	
1801	32°09'	80°21'	3-17-60	0545-0645	8½	gy.S.Sh.	40	48	--	41/47' 2-seam shrimp trawl
1802	31°59.5'	80°20'	3-17-60	0800-0900	13-14	S.Sh.	40	49	--	41/47' 2-seam shrimp trawl
1803	31°50'	80°09'	3-17-60	1015-1115	12-16½	S.G.Sh.	50	51	--	41/47' 2-seam shrimp trawl
1804	31°40.5'	80°02'	3-17-60	1230-1330	20-21	gy.S.Sh.	50	63	--	41/47' 2-seam shrimp trawl
1805	31°31'	79°53'	3-17-60	1445-1545	22	gy.S.Sh.	50	64	--	41/47' 2-seam shrimp trawl
1806	31°52'	80°05'	3-17-60	1700-1800	19	gy.S.Sh.	50	63	--	41/47' 2-seam shrimp trawl
1807	31°40'	80°18'	3-17-60	1917-2017	13-14	S.	53	55	--	41/47' 2-seam shrimp trawl
1808	31°28.5'	80°27'	3-17-60	2130-2230	14	S.	50	52	--	41/47' 2-seam shrimp trawl
1809	31°26'	80°18.5'	3-17/18-60	2345-0045	20	S.Sh.	60	57	--	41/47' 2-seam shrimp trawl
1810	30°54'	80°29'	4-13-60	1506-1536	20	gy.S.Sh.	68	63	--	8' scallop dredge
1811	30°54.5'	80°22.5'	4-13-60	1546-1601	20	gy.S.Sh.	68	64	--	8' scallop dredge
1812	30°52.5'	80°15'	4-13-60	1715-1730	21	gy.S.Sh.	74	66	--	8' scallop dredge
1813	30°56'	80°13'	4-13-60	1800-1815	22	gy.S.Sh.	74	69	66.38	8' scallop dredge
1814	30°58.5'	80°11.5'	4-13-60	1842-1855	21	gy.S.Sh.	--	69	--	8' scallop dredge
1815	30°59.5'	80°10.5'	4-13-60	1914-1929	21	S.Sh.	74	68	--	8' scallop dredge
1816	31°00'	80°07'	4-13-60	2000-2030	22	S.Sh.	74	73	--	8' scallop dredge
1817	31°05.5'	80°00.5'	4-13-60	2153-2203	25	S.Sh.	70	73	--	8' scallop dredge
1818	31°00.5'	80°04'	4-13-60	2255-2325	22-21	S.Sh.	70	73	--	8' scallop dredge
1819	29°35'	80°30.5'	4-13-60	1002-1032	17-16½	Sh.gy.S.	68	65	--	8' scallop dredge
1820	29°33'	80°25.5'	4-14-60	1059-1129	19	gy.S.Sh.	70	68	61.52	8' scallop dredge
1821	29°32'	80°23.5'	4-14-60	1145-1215	20	gy.S.Sh.	72	62	--	8' scallop dredge
1822	29°28.5'	80°19.5'	4-14-60	1326-1356	21	gy.S.Sh.	73	72	--	8' scallop dredge
1823	29°28'	80°16.5'	4-14-60	1430-1500	30-27	gy.S.Sh.	73	71	--	8' scallop dredge
1824	29°25'	80°12.5'	4-14-60	1530-1550	40	gy.S.	71	71	--	8' scallop dredge
1825	29°23.5'	80°17.5'	4-14-60	1620-1650	27-26	gy.S.	69	70	--	8' scallop dredge
1826	29°20.5'	80°19'	4-14-60	1725-1755	25	gy.S.Sh.	80	68	--	8' scallop dredge
1827	29°17.5'	80°23.5'	4-14-60	1825-1855	18	gy.S.Sh.	80	67	60.8	8' scallop dredge
1828	29°15'	80°25'	4-14-60	1925-1955	15-16	S.Sh.	80	66	--	8' scallop dredge
1829	29°12.5'	80°29'	4-14-60	2025-2055	15	S.Sh.	75	66	--	8' scallop dredge
1830	29°12.5'	80°32.5'	4-14-60	2128-2200	15	S.Sh.	75	66	--	8' scallop dredge
1831	29°08'	80°35'	4-14-60	2228-2258	13	S.Sh.	66	75	--	8' scallop dredge
1832	29°05.5'	80°38.5'	4-14-60	2327-2357	10	S.Sh.	68	66	--	8' scallop dredge
1833	29°03.5'	80°37'	4-15-60	0025-0055	10-11	O.S.	68	65	--	8' scallop dredge
1834	29°03.5'	80°31'	4-15-60	0127-0157	11	O.S.	67	65	67.1	8' scallop dredge
1835	29°04'	80°30'	4-15-60	0228-0300	13-14	gy.S.Sh.	68	65	--	8' scallop dredge
1836	29°06'	80°25'	4-15-60	0310-0340	14	gy.S.Sh.	68	66	--	8' scallop dredge
1837	29°09'	80°23.5'	4-15-60	0410-0440	14-16	gy.S.Sh.	68	65	--	8' scallop dredge
1838	29°09.5'	80°19'	4-15-60	0500-0530	19	gy.S.Sh.	68	65	--	10' scallop dredge
1839	29°12'	80°21.5'	4-15-60	0542-0612	17	gy.S.Sh.	68	66	59.9	8' scallop dredge
1840	29°14.5'	80°24.5'	4-15-60	0640-0710	16-14	S.Sh.	67	66	--	10' scallop dredge
1841	29°15'	80°26'	4-15-60	0725-0755	14-15½	S.Sh.	67	66	--	10' scallop dredge
1842	29°15'	80°26'	4-15-60	0828-0858	15	S.Sh.	67	66	--	10' scallop dredge
1843	29°10'	80°26.5'	4-15-60	0932-1002	15-14	S.Sh.	67	66	--	10' scallop dredge
1844	29°06'	80°26.2'	4-15-60	1033-1103	14½	S.Sh.	76	65	64.4	10' scallop dredge
1845	29°03'	80°25'	4-15-60	1134-1205	14½-15	S.Sh.	78	65	--	10' scallop dredge
1846	29°01'	80°22.5'	4-15-60	1230-1300	15	gy.S.	78	66	--	10' scallop dredge
1847	28°58'	80°23.5'	4-15-60	1325-1355	15	gy.S.	76	66	61.7	10' scallop dredge
1848	28°55'	80°20.5'	4-15-60	1427-1500	15-14	gy.S.	76	66	--	10' scallop dredge
1849	28°53.5'	80°20'	4-15-60	1526-1556	18	gy.S.	76	68	60.08	10' scallop dredge
1850	28°53'	80°15.5'	4-15-60	1607-1637	20	gy.S.Sh.	70	68	--	10' scallop dredge
1851	28°57.5'	80°15'	4-15-60	1710-1740	21-20	gy.S.Sh.	70	66	--	10' scallop dredge
1852	29°03'	80°18.5'	4-15-60	1827-1857	20	S.Sh.	79	66	59.9	8' scallop dredge
1853	29°07'	80°17'	4-15-60	1927-1957	22-23	S.Sh.	69	66	--	8' scallop dredge
1854	29°10'	80°16.5'	4-15-60	2010-2040	23-24	S.Sh.	69	66	--	8' scallop dredge
1855	29°15'	80°16.5'	4-15-60	2112-2138	25-29	S.Sh.	69	66	--	8' scallop dredge
1856	29°18.5'	80°15'	4-15-60	2146-2216	29-30	S.	69	66	--	8' scallop dredge
1857	29°19.5'	80°15'	4-15-60	2246-2316	28	S.	69	66	--	8' scallop dredge
1858	29°21.5'	80°11'	4-15-60	2347-0030	40	S.Sh.	71	66	--	8' scallop dredge
1859	29°22'	80°20'	4-16-60	0130-0200	20-18	gy.S.Sh.	70	66	--	8' scallop dredge
1860	29°24.5'	80°26'	4-16-60	0230-0300	14-13	G.S.Sh.	70	67	--	8' scallop dredge
1861	29°26.5'	80°29.5'	4-16-60	0325-0355	14-13½	gy.S.Sh.	69	67	67.1	8' scallop dredge
1862	29°26.5'	80°34'	4-16-60	0425-0455	12-13½	gy.S.Sh.	68	67	--	8' scallop dredge
1863	29°24'	80°35'	4-16-60	0505-0535	15½-15½	gy.S.Sh.	67	68	--	8' scallop dredge
1864	29°21.5'	80°35.5'	4-16-60	0605-0635	15	gy.S.Sh.	67	68	--	8' scallop dredge
1865	29°17.5'	80°31'	4-16-60	0703-0733	15	gy.S.Sh.	67	66	32.6	8' scallop dredge
1866	29°17.5'	80°28.5'	4-16-60	0801-0831	16-15	gy.S.Sh.	70	66	--	8' scallop dredge
1867	29°11'	80°27'	4-16-60	0900-0930	16-16½	gy.S.Sh.	70	65	--	8' scallop dredge
1868	29°07'	80°23.5'	4-16-60	0957-1027	15½-17	S.Sh.	71	67	--	8' scallop dredge
1869	29°05.5'	80°16'	4-16-60	1125-1155	25-26	S.	79	67	--	8' scallop dredge
1870	29°05.5'	80°10'	4-16-60	1250-1320	29	S.	78	74	62.6	8' scallop dredge
1871	29°01'	80°11.5'	4-16-60	1405-1435	26-25	S.	78	74	--	8' scallop dredge
1872	28°55'	80°13'	4-16-60	1522-1552	22½	S.	76	74	--	8' scallop dredge
1873	28°47.5'	80°14.5'	4-16-60	1635-1705	20	Sh.S.	80	74	--	8' scallop dredge
1874	28°45.5'	80°18'	4-16-60	1737-1807	15	S.Sh.	80	73	--	8' scallop dredge
1875	28°41'	80°17.5'	4-16-60	1833-1903	15	S.Sh.	85	68	--	8' scallop dredge
1876	28°37.5'	80°18'	4-16-60	1933-2003	15	S.Sh.	70	66	--	8' scallop dredge
1877	28°33.5'	80°19'	4-16-60	2030-2100	15	S.Sh.	70	66	--	8' scallop dredge
1878	28°29.5'	80°18'	4-16-60	2135-2205	14	S.Sh.	71	66	67.46	8' scallop dredge
1879	28°26.5'	80°17.5'	4-16-60	2233-2303	--	S.Sh.	71	67	--	8' scallop dredge
1880	28°22.5'	80°16.5'	4-16-60	2331-0001	--	S.Sh.	70	69	--	8' scallop dredge
1881	28°20'	80°15'	4-17-60	0030-0100	15	Sh.S.	70	72	--	8' scallop dredge
1882	28°14.5'	80°13'	4-17-60	0130-0200	15	Sh.	72	71	--	8' scallop dredge
1883	28°13'	80°09.5'	4-17-60	0230-0300	20-21	gy.S.Sh.	72	74	--	8' scallop dredge
1884	28°14.5'	80°07.5'	4-17-60	0312-0342	21-22	Sh.S.	70	74	--	8' scallop dredge
1885	28°12'	80°11.5'	4-17-60	--	20	Sh.S.	70	72	--	8' scallop dredge
1886	28°22'	80°10'	4-17-60	0510-0540	20	S.Sh.	68	74	--	8' scallop dredge
1887	28°26.5'	80°11'	4-17-60	0609-0638	20	S.Sh.	70	68	65	8' scallop dredge
1888	28°32'	80°13.5'	4-17-60	0707-0737	20	S.Sh.	75	69	--	10' scallop dredge
1889	28°33.5'	80°13'	4-17-60	0757-0827	20	S.Sh.	75	69	--	10' scallop dredge
1890	28°34.2'	80°13'	4-17-60	0802-0832	20	S.Sh.	75	69	--	10' scallop dredge
1891	28°30'	80°12.5'	4-17-60	1004-1034	20	S.Sh.	75	69	--	10' scallop dredge
1892	28°26.5'	80°12'	4-17-60	1105-1135	20	S.Sh.	75	72	--	10' scallop dredge
1893	28°23'	80°07'	4-17-60	1205-1235	20	S.Sh.	82	72	--	10' scallop dredge
1894	28°21'	80°06.5'	4-17-60	1320-1350	25	S.Sh.	82	73	65.1	10' scallop dredge
1895	28°25.5'	80°05.5'	4-17-60	1426-1456	25	S.Sh.	80	73	--	10' scallop dredge
1896	28°32.5'	80°07'	4-17-60	1545-1615	25	S.Sh.	80	73	--	10' scallop dredge
1897	28°40'	80°10.5'	4-17-60	1703-1733	25	S.Sh.	72	73	60.8	10' scallop dredge
1898	28°45.5'	80°11.5'	4-17-60	1808-1838	25	S.Sh.	73	74	--	10' scallop dredge
1899	28°49.5'	80°13'	4-17-60	1913-1943	25	Sh.	73	73	--	10' scallop dredge
1900	28°54'	80°11.5'	4-17-60	2013-2043	27	Sh.	70	73	61.52	10' scallop dredge



Table 4.--M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Surf.	Bot.	
					Fathoms		° F.	° F.	° F.	
1901	28°55.5'	80°10'	4-17-60	2136-2206	31-30	Sh.	70	73	--	10' scallop dredge
1902	28°53.5'	80°09'	4-17-60	2236-2308	35	Sh.	70	73	--	10' scallop dredge
1903	28°50.5'	80°08.5'	4-17/18-60	2342-0012	30-31	Sh.	71	72	--	10' scallop dredge
1904	28°42.5'	80°21'	4-18-60	0315-0345	15-14	Sh.S.	71	73	--	10' scallop dredge
1905	28°52'	80°23'	4-18-60	0415-0445	14	gy.S.	70	68	--	10' scallop dredge
1906	28°53'	80°21'	4-18-60	0515-0545	14-12	gy.S.	70	67	--	10' scallop dredge
1907	28°59'	80°28.5'	4-18-60	0618-0648	12-11	S.	68	67	65	8' scallop dredge
1908	29°03.5'	80°32.5'	4-18-60	0717-0747	13	br.S.Sh.	70	67	--	8' scallop dredge
1909	29°06.5'	80°31'	4-18-60	0808-0838	13	br.S.Sh.	75	67	--	8' scallop dredge
1910	29°10'	80°04.5'	4-18-60	0905-0910	14	S.Sh.	75	68	--	8' scallop dredge
1911	29°11.5'	80°36'	4-18-60	0929-0959	15-13	S.Sh.	80	69	--	8' scallop dredge
1912	29°15.5'	80°37'	4-18-60	1031-1101	14	gy.S.Sh.	75	70	--	8' scallop dredge
1913	29°20'	80°38.5'	4-18-60	1128-1158	15	Sh.S.	78	70	--	8' scallop dredge
1914	29°24'	80°39.5'	4-18-60	1225-1255	15	Sh.S.	78	70	--	8' scallop dredge
1915	29°23'	80°37.5'	4-18-60	1330-1400	15	gy.S.Sh.	79	70	--	8' scallop dredge
1916	29°29'	80°32'	4-18-60	1430-1500	15	gy.S.Sh.	80	70	--	8' scallop dredge
1917	29°26'	80°34'	4-18-60	1530-1600	15-14	gy.S.Sh.	81	70	--	8' scallop dredge
1918	29°22.5'	80°30.5'	4-18-60	1630-1700	11-12	gy.S.Sh.	82	70	--	8' scallop dredge
1919	29°19.5'	80°33'	4-18-60	1730-1800	11-9	gy.S.Sh.	76	70	--	8' scallop dredge
1920	29°16'	80°39'	4-18-60	1828-1858	8-8½	gy.S.	80	70	--	8' scallop dredge
1921	29°16'	80°54'	4-18-60	1926-1956	8½-10	gy.S.	75	70	--	8' scallop dredge
1922	29°16'	80°45'	4-18-60	2048-2116	10	S.	70	70	--	8' scallop dredge
1923	29°03.5'	80°50.5'	4-18-60	2200-2230	10-9	S.Sh.	70	70	--	8' scallop dredge
1924	29°06.5'	80°53'	4-18-60	2302-2332	9-10	S.Sh.	70	69	--	8' scallop dredge
1925	29°05'	80°49'	4-18-60	0005-0035	12	S.Sh.	70	69	--	8' scallop dredge
1926	28°57.5'	80°42.5'	4-19-60	0150-0230	12	S.Sh.	68	69	--	8' scallop dredge
1927	28°52'	80°40'	4-19-60	0305-0335	11-12	S.Sh.	68	70	--	8' scallop dredge
1928	28°42'	80°33'	4-19-60	0420-0450	11	S.Sh.	68	69	--	8' scallop dredge
1929	28°43.5'	80°26'	4-19-60	0545-0615	12	S.Sh.	68	69	--	8' scallop dredge
1930	28°41.5'	80°08'	4-19-60	0800-0809	31	Sh.	69	71	--	8' scallop dredge
1931	28°39.5'	80°08.5'	4-19-60	0835-0905	29-27½	Sh.	71	72	--	8' scallop dredge
1932	28°33.5'	80°06.5'	4-19-60	1008-1038	28-29	Sh.	75	73	65.3	8' scallop dredge
1933	28°30.5'	80°08'	4-19-60	1111-1141	28-27½	Sh.S.	65	73	--	8' scallop dredge
1934	28°27'	80°07'	4-19-60	1228-1258	31-30	Sh.S.	78	72	--	8' scallop dredge
1935	28°25'	80°05'	4-19-60	1330-1400	30-30½	Sh.S.	75	73	--	10' scallop dredge
1936	28°21'	80°06.5'	4-19-60	1450-1520	30	Sh.S.	75	73	--	10' scallop dredge
1937	28°17'	80°04'	4-19-60	1605-1635	30	Sh.S.	76	71	--	10' scallop dredge
1938	28°13'	80°05'	4-19-60	1733-1803	30	Sh.	76	73	--	10' scallop dredge
1939	28°11'	80°05'	4-19-60	1930-1950	20½-29	S.Sh.	74	74	--	10' scallop dredge
1940	28°08.5'	80°05.5'	4-19-60	2025-2055	30	Sh.	70	74	--	10' scallop dredge
1941	28°05'	80°02.5'	4-19-60	2127-2157	29	S.	70	74	--	10' scallop dredge
1942	28°02'	80°02.5'	4-19-60	2230-2300	30	Sh.	70	74	--	10' scallop dredge
1943	27°58.5'	80°02'	4-19-60	2330-0000	30	Sh.S.	70	74	--	10' scallop dredge
1944	27°55'	80°05'	4-20-60	0055-0130	25	Sh.S.	72	73	--	10' scallop dredge
1945	28°03'	80°02.5'	4-20-60	0215-0245	25	Sh.S.	71	73	--	10' scallop dredge
1946	28°06.5'	80°10'	4-20-60	0345-0415	20	S.Sh.	70	73	--	10' scallop dredge
1947	28°09.5'	80°10'	4-20-60	0505-0535	20	S.Sh.	68	73	--	10' scallop dredge
1948	28°10.5'	80°10'	4-20-60	0605-0635	20-21	S.Sh.	71	73	--	10' scallop dredge
1949	28°14'	80°09.5'	4-20-60	0709-0739	20	S.Sh.	--	75	--	10' scallop dredge
1950	28°15'	80°13.5'	4-20-60	0812-0842	17	Sh.S.	75	73	--	10' scallop dredge
1951	28°10.5'	80°13'	4-20-60	0912-0942	17	S.Sh.	75	72	--	10' scallop dredge
1952	28°05.5'	80°11.5'	4-20-60	1011-1041	16-16½	S.Sh.	75	71	--	10' scallop dredge
1953	28°02'	80°09.5'	4-20-60	1112-1142	16½-17	S.Sh.	82	71	--	10' scallop dredge
1954	27°58'	80°06.5'	4-20-60	1210-1240	20	S.Sh.	82	71	64.2	10' scallop dredge
1955	28°01.5'	80°08'	4-20-60	1305-1335	20	Sh.S.	81	71	--	10' scallop dredge
1956	28°02.5'	80°06'	4-20-60	1345-1415	20	Sh.S.	82	71	--	10' scallop dredge
1957	27°55'	80°05'	4-20-60	1502-1532	20	Sh.S.	82	71	--	10' scallop dredge
1958	27°51.5'	80°02'	4-20-60	1822-1852	25	S.Sh.	75	71	--	10' scallop dredge
1959	27°49.5'	79°58.5'	4-20-60	2020-2025	50	M.Rk.	75	75	--	10' scallop dredge
1960	27°52'	80°01'	1-20-60	2105-2152	30	S.Sh.	75	71	--	10' scallop dredge
1961	27°47.5'	80°03'	1-20-60	2337-2407	25	S.Sh.	70	72	--	10' scallop dredge
1962	27°44.5'	80°05'	4-20-60	2337-0007	20	S.Sh.	75	72	--	10' scallop dredge
1963	27°28.5'	80°08.5'	4-22-60	1630-1700	10-11	S.	74	76	71.2	8' scallop dredge
1964	27°29'	80°04'	4-22-60	1730-1800	15-20	S.	72	77	--	8' scallop dredge
1965	27°28.5'	80°01.5'	4-22-60	1815-1845	20-41	S.Sh.	75	77	--	8' scallop dredge
1966	27°30'	79°57'	4-22-60	1914-1944	50	--	73	78	--	8' scallop dredge
1967	27°35'	79°55.5'	4-22-60	2030-2100	75-74	--	73	77	--	8' scallop dredge
1968	27°39.5'	79°54'	4-22-60	2155-2255	100	--	70	77	--	8' scallop dredge
1969	28°09.5'	79°59'	4-23-60	0240-0340	70-77	M.	73	77	--	8' scallop dredge
1970	28°25'	80°01'	4-23-60	0435-0535	50	S.Sh.	72	78	--	8' scallop dredge
1971	28°33.5'	80°03'	4-23-60	0610-0640	40	Sh.S.	73	77	--	8' scallop dredge
1972	28°42'	80°08'	4-23-60	0837-0907	30-31	--	80	77	--	8' scallop dredge
1973	28°42'	80°10'	4-23-60	1041-1111	25-21½	S.Sh.	78	71	--	8' scallop dredge
1974	28°42'	80°13'	4-23-60	1128-1158	21½	S.Sh.	78	71	--	8' scallop dredge
1975	28°41'	80°16.5'	4-23-60	1207-1237	20	Sh.S.	78	71	--	8' scallop dredge
1976	28°41.5'	80°19.5'	4-23-60	1245-1315	14	Sh.S.	78	70	--	8' scallop dredge
1977	28°40'	79°58'	4-23-60	1650-1755	100	bu.M.	82	78	--	8' scallop dredge
1978	28°38'	79°58'	4-23-60	1830-1920	100	--	78	78	--	8' scallop dredge
1979	28°36'	79°58'	4-23-60	1950-2050	100	--	78	78	--	8' scallop dredge
1980	28°28'	80°12'	4-24-60	0527-0557	20	S.Sh.	72	69	--	8' scallop dredge
1981	28°26'	80°12.5'	4-24-60	0610-0640	20	S.Sh.	72	69	--	8' scallop dredge
1982	28°23.5'	80°12'	4-24-60	0650-0720	20-21	Sh.S.	72	69	--	8' scallop dredge
1983	28°21.5'	80°10.5'	4-24-60	0735-0806	21-20	Sh.S.	73	69	--	8' scallop dredge
1984	28°22.5'	80°11'	4-24-60	0818-0848	20	S.Sh.	72	69	--	8' scallop dredge
1985	28°24.5'	80°11.5'	4-24-60	0900-0930	20	S.Sh.	72	69	--	8' scallop dredge
1986	28°26.5'	80°14'	4-24-60	0953-1023	18-19	S.Sh.	73	69	--	8' scallop dredge
1987	28°28.5'	80°14.5'	4-24-60	1035-1117	19-18	S.Sh.	73	69	--	8' scallop dredge
1988	28°30.5'	80°11.5'	4-24-60	1150-1220	21	S.Sh.	76	69	--	8' scallop dredge
1989	28°32.5'	80°11.5'	4-24-60	--	21-22	S.Sh.	76	72	--	8' scallop dredge
1990	28°34'	80°11'	4-24-60	1320-1350	22-23	S.Sh.	78	72	--	8' scallop dredge
1991	28°36'	80°11.5'	4-24-60	1403-1433	23-21	S.Sh.	76	72	--	8' scallop dredge
1992	28°37.5'	80°13.5'	4-24-60	1445-1515	20-18	S.Sh.	76	71	--	8' scallop dredge
1993	28°39'	80°16.5'	4-24-60	1528-1558	18-19½	S.Sh.	76	71	--	8' scallop dredge
1994	28°43'	80°13'	4-24-60	1630-1700	20½-23	S.Sh.	74	73	--	8' scallop dredge
1995	28°45'	80°12.5'	4-24-60	1710-1740	23	Sh.S.	75	73	--	8' scallop dredge
1996	28°47.5'	80°12'	4-24-60	1758-1828	25-27	Sh.S.	75	73	--	8' scallop dredge
1997	28°53.5'	80°12.5'	4-25-60	0545-0615	20	S.Sh.	72	71	--	8' scallop dredge
1998	28°29.5'	80°13'	4-25-60	0625-0706	20	S.Sh.	72	69	--	8' scallop dredge
1999	28°27'	80°13'	4-25-60	0718-0751	20	S.Sh.	73	69	--	8' scallop dredge
2000	28°25'	80°11'	4-25-60	0809-0844	20	Sh.S.	74	69	--	8' scallop dredge

Table 4.--M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		° F.	° F.	° F.	
2001	28°22.5'	80°10'	4-25-60	0855-0925	21-22	Sh.S.	74	69	--	8' scallop dredge
2002	28°21.5'	80°09.5'	4-25-60	0936-1006	22-23	S.Sh.	72	69	--	8' scallop dredge
2003	28°19'	80°07'	4-25-60	1015-1045	23	Sh.S.	76	69	--	8' scallop dredge
2004	28°17.5'	80°07.5'	4-25-60	1055-1125	23	Sh.S.	76	68	--	8' scallop dredge
2005	28°15'	80°07.5'	4-25-60	1136-1206	23-24	Sh.S.	80	68	--	8' scallop dredge
2006	28°14'	80°06.5'	4-25-60	1216-1246	24	Sh.S.	86	68	--	8' scallop dredge
2007	28°12'	80°05'	4-25-60	1325-1355	25-32	Sh.S.	80	75	--	10' scallop dredge
2008	28°13.5'	80°02.5'	4-25-60	1410-1440	32-40	Sh.S.	80	75	--	10' scallop dredge
2009	28°15'	80°02'	4-25-60	1456-1528	40	S.	74	75	--	10' scallop dredge
2010	28°17.5'	80°01.5'	4-25-60	1548-1625	41-34	Sh.	74	75	--	10' scallop dredge
2011	28°18'	80°03.5'	4-25-60	1640-1722	34-22	Co.S.	78	74	--	10' scallop dredge
2012	28°17.5'	80°07'	4-25-60	1736-1806	22-21½	Sh.S.	78	73	--	10' scallop dredge
2013	28°18'	80°09'	4-25-60	1816-1846	21½-20	Sh.S.	77	73	--	10' scallop dredge
2014	28°28'	80°13'	4-26-60	0537-0607	20	S.Sh.	70	71	--	10' scallop dredge
2015	28°26.5'	80°13'	4-26-60	0620-0650	20	Sh.S.	71	71	--	10' scallop dredge
2016	28°28'	80°12'	4-26-60	1214-1245	20	S.Sh.	86	71	--	10' scallop dredge
2017	28°26.5'	80°13'	4-26-60	1257-1327	20	S.Sh.	86	71	--	10' scallop dredge
2018	28°24.5'	80°11'	4-26-60	1600-1640	20	S.Sh.	86	73	--	10' scallop dredge
2019	28°21.5'	80°04.5'	4-26-60	1746-1816	30-41	Sh.	74	76	--	10' scallop dredge
2020	28°22.5'	80°02'	4-26-60	1830-1847	41-45	--	74	74	--	10' scallop dredge
2021	28°26.5'	80°12'	4-27-60	0540-0610	20	S.Sh.	70	73	--	10' scallop dredge
2022	28°24.5'	80°12.5'	4-27-60	0622-0652	20	Sh.S.	76	73	--	10' scallop dredge
2023	28°23'	80°11'	4-27-60	0705-0735	20	Sh.S.	70	73	--	10' scallop dredge
2024	28°26.5'	80°11.5'	4-27-60	0812-0842	20	S.Sh.	70	73	--	10' scallop dredge
2025	28°24'	80°11.5'	4-27-60	0855-0925	20	S.Sh.	70	73	--	10' scallop dredge
2026	28°22'	80°11'	4-27-60	0935-1005	20½	S.Sh.	70	72	--	10' scallop dredge
2027	28°19'	80°11.2'	4-27-60	1015-1045	21-20	S.Sh.	72	72	--	10' scallop dredge
2028	28°21.5'	80°10.5'	4-27-60	1055-1128	20	S.Sh.	82	72	--	10' scallop dredge
2029	28°24'	80°11.5'	4-27-60	1140-1225	20½-20	Sh.S.	82	77	--	10' scallop dredge
2030	28°26.5'	80°12'	4-27-60	1235-1305	20	S.Sh.	82	77	--	10' scallop dredge
2031	28°28'	80°13'	4-27-60	1316-1346	20	Sh.S.	83	75	--	10' scallop dredge
2032	28°26.5'	80°12'	4-27-60	1357-1428	20	Sh.S.	83	74	--	10' scallop dredge
2033	28°25'	80°13'	4-27-60	1442-1512	20	Sh.S.	83	75	--	10' scallop dredge
2034	28°25.5'	80°13'	4-27-60	1545-1615	20	Sh.S.	83	75	--	10' scallop dredge
2035	28°23.5'	80°13'	4-27-60	1630-1700	20	S.Sh.	82	74	--	10' scallop dredge
2036	28°23.5'	80°12.5'	4-27-60	1712-1742	20	S.Sh.	78	74	--	10' scallop dredge
2037	28°23'	80°11'	4-27-60	1753-1823	20	S.Sh.	78	74	--	10' scallop dredge
2038	28°22.5'	79°59.5'	4-27-60	2003-2103	64-78	--	75	79	--	10' scallop dredge
2039	28°23.5'	79°59.5'	4-27-60	2143-2213	64-75	--	75	79	--	10' scallop dredge
2040	28°20'	79°48.5'	4-28-60	0022-0122	200	M.	75	78	--	10' scallop dredge
2041	28°15'	80°00'	4-28-60	0357-0428	50	--	75	79	--	10' scallop dredge
2042	28°14.5'	80°00'	4-28-60	0510-0540	40	gy.S.	74	79	--	10' scallop dredge
2043	27°56.5'	80°10'	4-28-60	0829-0859	15	S.Sh.	73	73	--	10' scallop dredge
2044	27°36'	80°06'	4-29-60	1617-1647	15	S.Sh.	73	76	--	10' scallop dredge
2045	27°38'	80°06'	4-29-60	1703-1717	15	Co.S.Sh.	73	76	--	10' scallop dredge
2046	27°38'	80°06'	4-29-60	1745-1803	15	Co.S.Sh.	74	76	--	10' scallop dredge
2047	27°48.5'	80°09'	4-29-60	1945-2017	15	S.Sh.	74	73	--	10' scallop dredge
2048	27°50'	80°09'	4-29-60	2032-2102	15-14½	S.Sh.	74	73	--	10' scallop dredge
2049	27°51.5'	80°09.5'	4-29-60	2235-2305	14½-15	--	72	73	--	10' scallop dredge
2050	27°53'	80°10'	4-30-60	0003-0033	14-15	S.Sh.	72	73	--	10' scallop dredge
2051	27°54'	80°08'	4-30-60	0045-0115	15-14	S.Sh.	72	73	--	10' scallop dredge
2052	27°56'	80°09.5'	4-30-60	0125-0155	14	S.Sh.	72	73	70	10' scallop dredge
2053	29°06.5'	80°28'	4-30-60	1044-1114	15	S.Sh.	74	71	--	10' scallop dredge
2054	29°09.5'	80°25'	4-30-60	1142-1212	15	S.Sh.	74	71	--	10' scallop dredge
2055	29°14'	80°26.5'	4-30-60	1245-1315	15	S.Sh.	74	71	--	10' scallop dredge
2056	29°16.5'	80°29'	4-30-60	1340-1410	15	S.Sh.	74	71	--	10' scallop dredge
2057	29°21'	80°31.5'	4-30-60	1437-1507	15	S.Sh.	74	71	68	10' scallop dredge
2058	29°26'	80°30.5'	4-30-60	1550-1620	13-12	S.Sh.	74	71	--	10' scallop dredge
2059	29°31.5'	80°34.5'	4-30-60	1702-1732	13-14	S.Sh.	75	71	--	10' scallop dredge
2060	29°36'	80°33'	4-30-60	1816-1846	16	S.Sh.	75	70	--	10' scallop dredge
2061	29°36.5'	80°23'	4-30-60	1942-2012	22	--	75	76	--	10' scallop dredge
2062	29°38'	80°10.5'	4-30/5-1-60	2230-0130	200	M.	74	75	--	41/47' 2-seam shrimp trawl
2063	29°32.5'	80°10'	5-1-60	0220-0520	200	M.	74	77	--	40' flat trawl
2064	29°27.5'	80°08'	5-1-60	0630-0930	200-202	--	74	77	--	40' flat trawl
2065	29°23.5'	80°05.5'	5-1-60	1055-1355	208	M.	77	77	--	41/47' balloon shrimp trawl
2066	29°22'	80°06'	5-1-60	1525-1825	200	M.	77	79	--	41/47' 2-seam shrimp trawl
2067	29°22'	80°06'	5-1-60	2020-2320	200	M.	73	79	--	41/47' 2-seam shrimp trawl
2068	29°16.5'	80°04'	5-2-60	1207-0307	210	M.	73	79	--	41/47' 2-seam shrimp trawl
2069	29°09.5'	80°01.5'	5-2-60	0350-0650	200	M.	--	80	--	41/47' 2-seam shrimp trawl
2070	29°13'	79°59.5'	5-2-60	0845-1145	205	M.	72	80	--	41/47' 2-seam shrimp trawl
2071	29°53'	80°12.5'	5-2-60	1628-1928	180	M.	81	80	--	41/47' 2-seam shrimp trawl
2072	29°50'	80°06.5'	5-2-60	2020-2320	200	M.	75	81	--	41/47' 2-seam shrimp trawl
2073	29°47.5'	80°08'	5-3-60	0045-0345	200	M.	75	81	--	41/47' 2-seam shrimp trawl
2074	29°43'	80°07.5'	5-3-60	0555-0855	200-202	M.	73	80	--	41/47' 2-seam shrimp trawl
2075	29°35.5'	80°10'	5-3-60	0853-1155	180	M.	75	79	--	41/47' 2-seam shrimp trawl
2076	29°27'	80°08.5'	5-3-60	1240-1540	200-180	M.	76	79	--	41/47' 2-seam shrimp trawl
2077	29°49'	80°23.5'	5-4-60	0645-0745	24	S.Sh.Co.	77	73	--	52/72' 2-seam fish trawl
2078	29°44.5'	80°25.5'	5-4-60	0811-0956	24-22	S.Sh.	77	72	--	52/72' 2-seam fish trawl
2079	29°43.5'	80°25.5'	5-4-60	1025-1200	22-20	gy.S.Sh.	73	72	--	52/72' 2-seam fish trawl
2080	29°46.5'	80°28.5'	5-4-60	1230-1400	20	gy.S.Sh.	73	72	--	52/72' 2-seam fish trawl
2081	29°48.5'	80°27.5'	5-4-60	1522-1652	20-19	gy.S.Sh.	73	72	--	52/72' 2-seam fish trawl
2082	29°49'	80°31.5'	5-4-60	1715-1845	19-20	gy.S.Sh.	69	72	--	52/72' 2-seam fish trawl
2083	29°58.5'	80°32.5'	5-5-60	0610-0745	22-21	S.Sh.	70	71	68.9	52/72' 2-seam fish trawl
2084	29°53.5'	80°34'	5-5-60	0816-0946	22-21	S.Sh.	70	65	--	52/72' 2-seam fish trawl
2085	29°54'	80°47.5'	5-5-60	1150-1250	18	S.Sh.	72	69	--	52/72' 2-seam fish trawl
2086	29°56.5'	80°52'	5-5-60	1332-1432	14-15	S.Sh.	72	66	--	52/72' 2-seam fish trawl
2087	29°58'	80°51.5'	5-5-60	1543-1643	14	S.Sh.	72	66	--	52/72' 2-seam fish trawl
2088	28°27'	80°11.5'	5-27-60	0947-1007	21-20½	S.Sh.	75	79	--	10' scallop dredge
2089	28°25.5'	80°12'	5-27-60	1022-1042	20½-21	S.Sh.	75	79	--	10' scallop dredge
2090	28°26.5'	80°13'	5-27-60	1116-1146	19	S.Sh.	75	79	--	10' scallop dredge
2091	28°20'	80°12'	5-27-60	1235-1305	20-21	S.Sh.	73	79	--	10' scallop dredge
2092	28°11.5'	80°09.5'	5-27-60	1425-1455	21	S.Sh.	73	79	--	10' scallop dredge
2093	28°09'	80°13.5'	5-27-60	1540-1555	18-14	S.Sh.	73	78	--	10' scallop dredge
2094	27°30.5'	80°03.5'	5-28-60	0629-0644	18-21	S.Sh.	74	77	--	8' scallop dredge
2095	27°33'	80°03.5'	5-28-60	0711-0726	16-16½	S.Sh.	74	77	--	8' scallop dredge
2096	27°34.3'	80°05'	5-28-60	0751-0806	16½	S.Sh.	74	77	--	8' scallop dredge
2097	27°35.5'	80°06'	5-28-60	0817-0833	15½-12½	S.Sh.	74	77	--	8' scallop dredge
2098	27°31.5'	80°09'	5-28-60	1054-1110	16-14	S.Sh.	85	79	--	8' scallop dredge
2099	27°53'	80°09.5'	5-28-60	1122-1137	14½-18	S.Sh.	85	79	--	8' scallop dredge
2100	27°53.5'	80°08.7'	5-28-60	1149-1204	18-17	S.Sh.	85	79	--	8' scallop dredge



Table 4.--M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		° F.	° F.	° F.	
2101	27°52'	80°08.2'	5-28-60	1216-1231	17-15	S.Sh.	85	79	--	8' scallop dredge
2102	27°53'	80°09.2'	5-28-60	1242-1312	15½-15	S.Sh.	85	79	--	8' scallop dredge
2103	27°54.5'	80°09.5'	5-28-60	1323-1338	15-14	S.Sh.	85	79	--	8' scallop dredge
2104	27°53.5'	80°10.5'	5-28-60	1348-1418	14-17	S.Sh.	86	80	--	8' scallop dredge
2105	27°53.5'	80°08.7'	5-28-60	1454-1524	17½-15½	S.Sh.	85	80	--	8' scallop dredge
2106	27°51.5'	80°10'	5-28-60	1533-1603	13½-17½	S.Sh.	85	80	--	8' scallop dredge
2107	27°53'	80°09.5'	5-30-60	1103-1155	14½-17½	S.Sh.	83	78	--	2 8' scallop dredges
2108	27°53'	80°09.5'	5-30-60	1219-1259	14½-17½	S.Sh.	83	78	--	2 8' scallop dredges
2109	27°53'	80°09.5'	5-30-60	1315-1404	14½-17	S.Sh.	83	78	--	8' scallop dredge
2110	27°53'	80°09.5'	5-31-60	1033-1103	14½-17	S.Sh.	84	77	--	8' scallop dredge
2111	27°53'	80°09.5'	5-31-60	1155-1225	14½-17	S.Sh.	83	77	--	8' scallop dredge
2112	27°53'	80°09.5'	6-1-60	1035-1105	14½-17	S.Sh.	84	78	--	8' scallop dredge
2113	27°53.5'	80°08.7'	6-1-60	1115-1145	17-14½	S.Sh.	84	78	--	8' scallop dredge
2114	27°53'	80°09.5'	6-2-60	1025-1055	15-17½	S.Sh.	83	78	--	8' scallop dredge
2115	27°53.5'	80°08.7'	6-2-60	1106-1136	17½-15	S.Sh.	83	79	--	8' scallop dredge
2116	27°53'	80°09.5'	6-3-60	1025-1055	15-17½	S.Sh.	--	78	--	8' scallop dredge
2117	27°53.5'	80°08.7'	6-3-60	1106-1136	17½-15	S.Sh.	84	78	69.8	8' scallop dredge
2118	27°53'	80°09.5'	6-3-60	1146-1220	15-17½	S.Sh.	84	78	--	8' scallop dredge
2119	27°53'	80°09.5'	6-4-60	1023-1053	15-17½	S.Sh.	92	77	--	8' scallop dredge
2120	27°52'	80°08.5'	6-4-60	1115-1135	17½-16	S.Sh.	92	78	70.7	8' scallop dredge
2121	27°53'	80°09.5'	6-5-60	1023-1053	15-17½	S.Sh.	85	76	--	8' scallop dredge
2122	27°52'	80°08.5'	6-5-60	1103-1133	17½-15	S.Sh.	85	76	--	8' scallop dredge
2123	27°53'	80°09.5'	6-5-60	1143-1215	15-17½	S.Sh.	85	77	--	8' scallop dredge
2124	27°53'	80°09.5'	6-6-60	1610-1635	15-17½	S.Sh.	--	78	--	8' scallop dredge
2125	27°52'	80°08.5'	6-6-60	1655-1715	17	S.Sh.	--	78	--	8' scallop dredge
2126	27°52.5'	80°09'	6-7-60	0606-0635	16-17½	S.Sh.	74	74	--	8' scallop dredge
2127	27°52.5'	80°09'	6-7-60	0829-0859	17½	S.Sh.	74	76	--	8' scallop dredge
2128	27°52.5'	80°09'	6-7-60	1318-1338	17½	S.Sh.	90	79	--	8' scallop dredge
2129	27°52.5'	80°09'	6-7-60	1350-1410	17½	S.Sh.	90	79	--	8' scallop dredge
2130	27°52.5'	80°09'	6-8-60	0616-0631	17-18	S.Sh.	76	75	--	8' scallop dredge
2131	27°53.5'	80°09'	6-8-60	1215-1230	18	S.Sh.	88	80	--	8' scallop dredge
2132	30°21'	80°56'	6-11-60	2200-2330	20	--	71	75	--	Night light station
2133	30°22'	80°52'	6-12-60	0520-0620	19½-18	gy.S.Sh.	71	73	--	54/74' 2-seam fish trawl
2134	30°14.5'	80°55'	6-12-60	0737-0838	19	S.Sh.	75	74	--	54/74' 2-seam fish trawl
2135	30°10'	80°53'	6-12-60	0939-1039	20	S.Sh.	75	78	--	54/74' 2-seam fish trawl
2136	30°03'	80°55'	6-12-60	1230-1330	20	S.Sh.	75	79	73.4	54/74' 2-seam fish trawl
2137	29°55'	80°54.5'	6-12-60	1505-1605	19	S.Sh.	75	77	--	54/74' 2-seam fish trawl
2138	29°55'	80°54.5'	6-12-60	1628-1759	19	S.Sh.	75	78	--	54/74' 2-seam fish trawl
2139	29°55'	80°58'	6-12-60	2045-2245	18	S.Sh.	--	78	--	Night light station
2140	29°55'	80°54.5'	6-13-60	0530-0630	19	S.Sh.	72	78	--	54/74' 2-seam fish trawl
2141	29°55'	80°54.5'	6-13-60	0650-0750	19	S.Sh.	72	76	--	54/74' 2-seam fish trawl
2142	29°55'	80°54.5'	6-13-60	0928-0928	19	gy.S.Sh.	72	76	--	54/74' 2-seam fish trawl
2143	29°50.5'	80°27.5'	6-13-60	1045-1215	20	gy.S.Sh.	81	80	--	54/74' 2-seam fish trawl
2144	29°52.5'	80°26.5'	6-13-60	1252-1352	20	S.Sh.	81	80	--	54/74' 2-seam fish trawl
2145	29°45.5'	80°16'	6-13-60	1625-1725	35	gy.S.Sh.	78	83	--	54/74' 2-seam fish trawl
2146	29°47'	80°28'	6-13-60	2030-2145	20	gy.S.Sh.	75	83	--	Night light station
2147	31°51.5'	79°23'	7-14-60	0703-0803	54-50	M.	80	85	--	54/74' 2-seam fish trawl
2148	31°57.5'	79°22'	7-14-60	0931-1051	42-40	gy.S.	80	85	--	54/74' 2-seam fish trawl
2149	32°09.5'	79°14'	7-14-60	1205-1305	30	gy.S.	92	85	72.3	54/74' 2-seam fish trawl
2150	32°24.5'	79°14'	7-14-60	1530-1630	20	gy.S.	92	82	74.3	54/74' 2-seam fish trawl
2151	32°41.5'	79°19.5'	7-15-60	0637-0737	10	gy.S.	64	61	75.7	54/74' 2-seam fish trawl
2152	32°49.5'	78°43'	7-15-60	0828-0928	17-19	S.	77	82	74.3	54/74' 2-seam fish trawl
2153	32°49.5'	78°16.5'	7-15-60	1017-1024	30	--	77	81	--	54/74' 2-seam fish trawl
2154	32°54.5'	78°07.5'	7-15-60	1330-1430	50	--	77	81	--	60/80' 2-seam fish trawl
2155	32°59.5'	78°02.5'	7-15-60	1612-1712	30	--	--	81	68	60/80' 2-seam fish trawl
2156	33°08.5'	77°57'	7-15-60	1842-1942	20	--	81	81	72.6	60/80' 2-seam fish trawl
2157	33°16'	77°38.5'	7-16-60	0620-0720	20	S.Sh.	76	81	--	60/80' 2-seam fish trawl
2158	33°15'	77°21'	7-16-60	0950-1050	30	S.	76	81	66.5	60/80' 2-seam fish trawl
2159	33°20'	77°13'	7-16-60	1217-1317	40	S.	78	82	--	60/80' 2-seam fish trawl
2160	33°29.5'	77°13'	7-16-60	1445-1545	22	S.Sh.	78	82	71	60/80' 2-seam fish trawl
2161	33°35'	77°07'	7-16-60	1720-1845	22	S.Sh.	78	83	75.7	60/80' 2-seam fish trawl
2162	34°07'	77°22'	7-17-60	0646-0706	13	C.S.	77	80	--	60/80' 2-seam fish trawl
2163	34°22'	77°09'	7-17-60	1006-1121	11	S.	77	80	77	60/80' 2-seam fish trawl
2164	34°31.5'	76°57'	7-17-60	1320-1435	9	S.	75	79	80.1	60/80' 2-seam fish trawl
2165	34°39.5'	76°56'	7-17-60	1530-1630	7-6	S.	75	79	80.1	60/80' 2-seam fish trawl
2166	34°37'	76°40.5'	7-17-60	1825-1925	7-9	S.Sh.	84	80	77.9	60/80' 2-seam fish trawl
2167	34°22.5'	76°25'	7-18-60	0718-0818	12	S.	75	78	--	60/80' 2-seam fish trawl
2168	34°22'	76°12'	7-18-60	0955-1085	20	--	75	78	--	60/80' 2-seam fish trawl
2169	34°24'	76°02'	7-18-60	1225-1325	30	S.Sh.	81	79	69.8	60/80' 2-seam fish trawl
2170	34°31.5'	75°49'	7-18-60	1520-1600	52-42	--	77	82	--	60/80' 2-seam fish trawl
2171	34°46'	75°38.5'	7-18-60	1827-1927	28	S.	77	82	67.6	60/80' 2-seam fish trawl
2172	35°00'	75°19'	7-18/19-60	2200-0250	80-200	--	--	81	--	Night light station
2173	34°59'	75°17'	7-19-60	0500-0615	100	M.S.	76	80	--	60/80' 2-seam fish trawl
2174	35°03'	75°27'	7-19-60	0803-0903	24-30	S.	86	81	--	60/80' 2-seam fish trawl
2175	34°56'	75°24.5'	7-19-60	1034-1200	52-51	S.	88	81	--	60/80' 2-seam fish trawl
2176	34°55'	75°37'	7-19-60	1335-1435	22-21	--	86	82	76.4	60/80' 2-seam fish trawl
2177	34°56'	75°50'	7-19-60	1618-1718	15	S.Sh.	--	82	76.4	60/80' 2-seam fish trawl
2178	34°58'	75°57'	7-19-60	1838-1930	14	S.Sh.	82	82	74.4	60/80' 2-seam fish trawl
2179	34°49'	76°02'	7-19-60	2100-2200	15	--	78	80	--	Night light station
2180	34°57'	76°07.5'	7-20-60	0538-0638	8	S.	74	78	--	60/80' 2-seam fish trawl
2181	34°47.5'	76°14'	7-20-60	0805-0905	10	S.	78	79	75.3	60/80' 2-seam fish trawl
2182	34°42.5'	76°09'	7-20-60	1030-1115	11	S.Sh.	83	79	70.8	60/80' 2-seam fish trawl
2183	34°37.5'	76°06.5'	7-20-60	1225-1325	19-18	S.Sh.	83	80	71.2	60/80' 2-seam fish trawl
2184	34°43'	76°22'	7-20-60	1545-1645	9	S.Sh.	80	80	75.5	60/80' 2-seam fish trawl
2185	34°34.5'	76°28'	7-20-60	1810-1930	8	S.	78	79	77.3	60/80' 2-seam fish trawl
2186	34°29'	76°20'	7-20-60	2045-0200	15	--	--	79	--	Night light station
2187	34°51.5'	76°24'	7-21-60	0528-0628	9	S.Sh.	77	79	--	60/80' 2-seam fish trawl
2188	34°14'	76°18.5'	7-21-60	0900-1000	17	S.Sh.	77	80	74.4	60/80' 2-seam fish trawl
2189	34°07.5'	76°15'	7-21-60	1124-1224	23-22	S.Sh.	85	82	73.5	60/80' 2-seam fish trawl
2190	34°07'	76°06'	7-21-60	1432-1622	100	--	79	83	--	60/80' 2-seam fish trawl
2191	34°55'	76°54'	7-22-60	0510-0617	9	S.Sh.	76	81	--	60/80' 2-seam fish trawl
2192	34°40.5'	76°50'	7-22-60	0726-0826	6-6½	S.	78	81	80	60/80' 2-seam fish trawl
2193	34°40'	76°46'	7-22-60	0900-1000	6½-6	S.	76	81	79.8	60/80' 2-seam fish trawl
2194	34°37.5'	76°08.5'	7-23-60	1650-1720	19	S.Sh.	86	82	--	8' scallop dredge
2195	34°40'	76°01.5'	7-23-60	1752-1822	19	S.Sh.	85	82	72.5	8' scallop dredge
2196	34°43'	75°59'	7-23-60	1830-1900	19	S.Sh.	80	82	--	8' scallop dredge
2197	34°39.5'	76°02.5'	7-23-60	1925-1955	19	S.Sh.	80	82	--	8' scallop dredge
2198	34°34'	75°55'	7-23-60	2128-2143	25	S.Sh.	80	83	--	8' scallop dredge
2199	34°34.5'	75°49.5'	7-23-60	2220-2235	30	S.Sh.	80	84	--	8' scallop dredge
2200	34°33.5'	75°47'	7-23-60	2314-2344	51-55	--	80	84	--	8' scallop dredge

Table 4.--H/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		° F.	° F.	° F.	
2201	34°34.5'	75°40'	7-24-60	0030-0400	80-90	--	79	84	--	Dip station
2202	34°45'	75°48'	7-24-60	0559-0629	20	S.Sh.	77	84	--	8' scallop dredge
2203	34°43'	75°52.5'	7-24-60	0656-0720	20	S.Sh.	78	83	--	8' scallop dredge
2204	34°41'	75°56'	7-24-60	0745-0815	20	S.Sh.	79	81	--	8' scallop dredge
2205	34°38.5'	75°59'	7-24-60	0841-0911	20	S.Sh.	78	81	--	8' scallop dredge
2206	34°36.5'	76°03.5'	7-24-60	0936-1006	20	S.Sh.	78	81	72.6	8' scallop dredge
2207	34°33'	76°14'	7-24-60	1114-1144	18	S.Sh.	78	82	71.2	8' scallop dredge
2208	34°35.7'	76°11.5'	7-24-60	1216-1246	18	S.Sh.	88	83	--	8' scallop dredge
2209	34°39.5'	75°58'	7-24-60	1415-1500	20	S.Sh.	88	82	72.7	8' scallop dredge
2210	34°44'	75°57'	7-24-60	1626-1656	18-17	S.Sh.	88	85	--	8' scallop dredge
2211	34°46'	76°06.5'	7-24-60	2037-2110	15	S.Sh.	84	82	--	8' scallop dredge
2212	34°52.5'	76°00'	7-24-60	2157-2227	12-14	S.Sh.	82	82	72.8	8' scallop dredge
2213	35°00.5'	75°59.5'	7-24-60	2335-2435	9	S.	78	81	--	42/62' 2-seam shrimp trawl
2214	34°53'	76°10'	7-25-60	0150-0250	8-9	S.Sh.	78	81	--	42/62' 2-seam shrimp trawl
2215	34°45'	76°20'	7-25-60	0410-0510	8-6½	S.Sh.	77	81	--	42/62' 2-seam shrimp trawl
2216	34°36.5'	76°27'	7-25-60	0624-0724	8	S.Sh.	80	81	--	42/62' 2-seam shrimp trawl
2217	34°30.5'	76°24.5'	7-25-60	0806-0906	9-10	S.Sh.	77	80	--	42/62' 2-seam shrimp trawl
2218	34°38.5'	77°05'	7-25-60	1355-1425	5-4½	S.	85	83	--	14-tooth clam dredge
2219	34°37'	77°06.5'	7-25-60	1435-1505	5	S.	85	83	--	14-tooth clam dredge
2220	34°36.5'	77°07.5'	7-25-60	1512-1542	5	S.Sh.	84	83	--	14-tooth clam dredge
2221	34°37'	77°07'	7-25-60	1550-1620	6½-6	S.Sh.	88	83	--	14-tooth clam dredge
2222	34°25'	77°22'	7-25-60	1838-1938	7-6½	S.Sh.	85	84	80.4	41/61' 2-seam shrimp trawl
2223	34°20'	77°34.5'	7-25-60	2055-2155	7	S.Sh.	85	83	--	41/61' 2-seam shrimp trawl
2224	34°12'	77°43.5'	7-25-60	2312-0028	6½	S.Sh.	81	83	--	41/61' 2-seam shrimp trawl
2225	34°00'	77°50'	7-25-60	0148-0248	6-7	S.	80	83	--	41/61' 2-seam shrimp trawl
2226	33°45'	77°50'	7-26-60	0420-0520	6½	S.	81	83	--	41/61' 2-seam shrimp trawl
2227	33°43.5'	77°51'	7-26-60	0556-0626	6½	S.Sh.	80	83	--	14-tooth clam dredge
2228	33°43'	77°50'	7-26-60	0640-0656	6	S.Sh.	80	82	--	14-tooth clam dredge
2229	33°47.5'	78°02'	7-26-60	1120-1135	6½	--	88	84	--	14-tooth clam dredge
2230	33°49'	78°02.5'	7-26-60	1145-1215	6	M.	86	84	--	14-tooth clam dredge
2231	33°49'	78°02'	7-26-60	1237-1307	6½-7½	M.	86	84	--	14-tooth clam dredge
2232	33°46'	78°06'	7-26-60	1315-1345	7½-6½	M.S.	86	84	--	14-tooth clam dredge
2233	33°45.5'	78°02.5'	7-26-60	1355-1425	6½	S.M.	86	84	--	14-tooth clam dredge
2234	33°45.2'	78°00.5'	7-26-60	1435-1505	6-4½	M.S.	86	84	--	14-tooth clam dredge
2235	33°46.8'	77°59.8'	7-26-60	1514-1544	4½	M.	86	84	72.9	14-tooth clam dredge
2236	33°47.5'	78°02'	7-26-60	1600-1630	4½-5	--	86	84	--	14-tooth clam dredge
2237	33°51'	78°03.5'	7-26-60	1652-1722	5-4½	--	86	85	--	14-tooth clam dredge
2238	33°52'	78°05.5'	7-26-60	1736-1806	4½-4	M.	81	85	--	14-tooth clam dredge
2239	33°51'	78°08.5'	7-26-60	1845-1945	6-5½	S.	81	85	--	41/61' 2-seam shrimp trawl
2240	33°51'	78°21'	7-26-60	2055-2155	6-5	S.	81	84	--	41/47' 2-seam shrimp trawl
2241	33°46.5'	78°34'	7-26-60	2311-0012	5	S.	81	84	--	41/47' 2-seam shrimp trawl
2242	33°39'	78°45'	7-27-60	0130-0230	6-5	S.	80	84	--	41/47' 2-seam shrimp trawl
2243	33°31'	78°53'	7-27-60	0350-0450	6	S.Sh.	81	84	--	41/47' 2-seam shrimp trawl
2244	33°17'	79°05'	7-27-60	0655-0725	6-4	--	--	86	--	14-tooth clam dredge
2245	33°15.5'	79°06'	7-27-60	0736-0807	4	--	80	84	--	14-tooth clam dredge
2246	33°13.5'	79°07'	7-27-60	0818-0848	4	M.S.	80	84	--	14-tooth clam dredge
2247	33°12'	79°07.5'	7-27-60	0900-0932	4-5	S.M.	80	84	--	14-tooth clam dredge
2248	33°15'	79°08'	7-27-60	0948-1018	5	M.	80	84	73.9	14-tooth clam dredge
2249	33°11.5'	79°07'	7-27-60	1111-1141	4-5	M.	84	85	--	14-tooth clam dredge
2250	33°09.5'	79°08.5'	7-27-60	1150-1220	--	M.	84	85	--	14-tooth clam dredge
2251	33°08'	79°09'	7-27-60	1229-1300	4½-5	M.S.	84	85	--	14-tooth clam dredge
2252	33°01.5'	79°13'	7-27-60	1357-1427	5-6	S.	83	85	--	14-tooth clam dredge
2253	32°56.5'	79°15.5'	7-27-60	1515-1550	5	S.Sh.	87	85	--	14-tooth clam dredge
2254	32°54.5'	79°27'	7-27-60	1630-1700	4½	--	87	86	--	14-tooth clam dredge
2255	32°47'	79°09.5'	7-27-60	1920-2020	11	S.Sh.	84	86	--	41/47' 2-seam shrimp trawl
2256	32°54'	78°57.5'	7-27-60	2137-2237	14	S.Sh.	84	85	--	41/47' 2-seam shrimp trawl
2257	33°02.5'	78°42'	7-28-60	0000-0100	12½-12	S.Sh.	80	84	--	41/47' 2-seam shrimp trawl
2258	33°11'	78°37'	7-28-60	0215-0315	11	S.Sh.	80	84	--	41/47' 2-seam shrimp trawl
2259	33°21'	78°31.5'	7-28-60	0430-0530	11	S.Sh.	80	83	--	41/47' 2-seam shrimp trawl
2260	33°29'	78°22'	7-28-60	0650-0750	12	S.Sh.	78	83	--	41/47' 2-seam shrimp trawl
2261	33°20'	78°33.5'	7-28-60	1002-1102	15	S.Sh.	80	83	--	41/47' 2-seam shrimp trawl
2262	33°14.5'	78°05.5'	7-28-60	1215-1315	17	S.Sh.	82	84	--	41/47' 2-seam shrimp trawl
2263	33°04'	78°12'	7-28-60	1450-1550	16	S.Sh.	82	85	--	41/47' 2-seam shrimp trawl
2264	32°55.5'	78°28'	7-28-60	1655-1755	20	S.Sh.	83	85	--	41/47' 2-seam shrimp trawl
2265	32°48.5'	78°38'	7-28-60	1917-2017	18-17	S.Sh.	83	84	--	41/47' 2-seam shrimp trawl
2266	32°39'	78°32.5'	7-28-60	2212-2242	50-52	Rk.	83	84	--	14-tooth clam dredge
2267	32°35.2'	78°29'	7-29-60	0025-0055	103	S.Co.	77	84	--	14-tooth clam dredge
2268	32°36'	78°30'	7-29-60	--	104-108	--	--	84	--	Night light station
2269	28°25'	80°14'	8-3-60	1035-1105	17	S.Sh.	82	--	--	8' scallop dredge
2270	28°24'	80°12'	8-3-60	1120-1150	21	S.Sh.	84	--	--	8' scallop dredge
2271	28°09'	80°10'	8-3-60	1330-1345	19	S.Sh.	84	--	--	8' scallop dredge
2272	27°54'	80°09'	8-3-60	1605-1620	17	S.Sh.	83	--	--	8' scallop dredge
2273	27°54'	80°09'	8-3-60	1645-1706	17-20	S.Sh.	82	--	--	8' scallop dredge
2274	27°54'	80°09'	8-3-60	1715-1730	16-17	S.Sh.	82	--	--	8' scallop dredge
2275	27°54'	80°09'	8-3-60	1805-1820	16	S.Sh.	80	--	--	8' scallop dredge
2276	27°54'	80°09'	8-3-60	1835-1905	16	S.Sh.	80	--	--	8' scallop dredge
2277	27°54'	80°09'	8-3-60	1930-1955	16	S.Sh.	80	--	--	8' scallop dredge
2278	29°55'	87°33'	8-7-60	1255-1310	16	S.Sh.	86	--	--	8' scallop dredge
2279	29°55'	87°33'	8-7-60	1320-1330	16	S.Sh.	86	--	--	8' scallop dredge
2280	29°30.5'	80°34.5'	10-11-60	0435-0505	15	S.Sh.	77	81	--	8' scallop dredge
2281	29°26'	80°29'	10-11-60	0550-0620	15	S.Sh.	77	81	--	8' scallop dredge
2282	29°17.5'	80°31'	10-11-60	0718-0747	15	S.Sh.	76	81	--	8' scallop dredge
2283	29°10.5'	80°29'	10-11-60	0828-0857	15	S.Sh.	76	81	--	8' scallop dredge
2284	29°07'	80°27.5'	10-11-60	0922-0958	15	S.Sh.	100	81	--	8' scallop dredge
2285	29°04'	80°26.5'	10-11-60	1007-1045	15	S.Sh.	100	81	--	8' scallop dredge
2286	29°06.5'	80°24'	10-11-60	1057-1130	15	S.Sh.	81	81	--	8' scallop dredge
2287	29°07.5'	80°24.5'	10-11-60	1215-1245	17	S.Sh.	81	81	--	8' scallop dredge
2288	29°11'	80°28'	10-11-60	1320-1350	13-12	S.Sh.	81	81	--	8' scallop dredge
2289	29°11'	80°31'	10-11-60	1400-1430	12-13	S.Sh.	81	81	--	8' scallop dredge
2290	29°10.3'	80°31'	10-11-60	1502-1536	13	S.Sh.	81	81	--	8' scallop dredge
2291	29°07.5'	80°30'	10-11-60	1605-1635	13	S.	84	81	--	8' scallop dredge
2292	29°12'	80°21.5'	10-11-60	1750-1820	17	S.	84	81	--	8' scallop dredge
2293	29°14'	80°17'	10-11-60	1900-1930	22	--	83	81	--	8' scallop dredge
2294	29°06.5'	80°18'	10-11-60	2016-2046	21	S.	78	81	--	8' scallop dredge
2295	29°00'	80°18.5'	10-11-60	2134-2204	21	S.	78	81	--	8' scallop dredge
2296	28°57.5'	80°16.5'	10-11-60	2219-2249	21	--	78	81	--	8' scallop dredge
2297	28°55.5'	80°16'	10-11-60	2303-2335	21-23	S.Sh.	76	81	--	8' scallop dredge
2298	28°55.5'	80°13'	10-11-60	2346-0016	23	S.Sh.	76	81	--	8' scallop dredge
2299	28°55'	80°13.5'	10-12-60	0037-0107	23-22	S.Sh.	79	81	--	8' scallop dredge
2300	28°52.5'	80°13.5'	10-12-60	0118-0148	22-19	S.Sh.	79	84	--	8' scallop dredge

Table 4.--M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		° F.	° F.	° F.	
2301	28°52.5'	80°17'	10-12-60	0215-0245	19	S.Sh.	79	84	--	8' scallop dredge
2302	28°55'	80°16'	10-12-60	0257-0328	19	S.Sh.	79	84	--	8' scallop dredge
2303	28°47'	80°14'	10-12-60	0425-0455	23-24	S.Sh.	75	84	--	8' scallop dredge
2304	28°41'	80°10.5'	10-12-60	0530-0600	23	S.Sh.	73	84	--	8' scallop dredge
2305	28°35.5'	80°10.5'	10-12-60	0630-0700	22	S.Sh.	73	84	--	8' scallop dredge
2306	28°24'	80°10'	10-12-60	0953-1030	22-21	Sh.	80	84	--	8' scallop dredge
2307	28°25'	80°09.5'	10-12-60	1040-1110	21-20	S.Sh.	82	84	--	8' scallop dredge
2308	28°29.5'	80°11.5'	10-12-60	1122-1152	20	S.Sh.	82	84	--	8' scallop dredge
2309	28°26'	80°11'	10-12-60	1203-1233	20	S.Sh.G.	85	84	--	8' scallop dredge
2310	28°28.5'	80°11'	10-12-60	1300-1330	20-21	S.Sh.G.	86	84	--	8' scallop dredge
2311	28°33.5'	80°13.5'	10-12-60	1423-1453	20-19	S.Sh.	88	84	--	10' scallop dredge
2312	28°34.5'	80°14'	10-12-60	1517-1547	17-18	S.Sh.	88	84	--	10' scallop dredge
2313	28°31'	80°15.5'	10-12-60	1602-1632	18	S.Sh.	85	84	--	10' scallop dredge
2314	28°22.5'	80°10.3'	10-12-60	1735-1805	21	S.Sh.	79	84	--	10' scallop dredge
2315	28°11.5'	80°09'	10-12-60	1917-1947	20-18	S.Sh.	79	84	--	10' scallop dredge
2316	28°09'	80°10'	10-12-60	1958-2017	18	S.Sh.	79	84	--	10' scallop dredge
2317	27°56'	80°10.5'	10-12-60	2215-2245	15	S.Sh.	79	84	--	10' scallop dredge
2318	27°55.5'	80°09.5'	10-12-60	2318-2348	18	S.Sh.	78	84	--	10' scallop dredge
2319	27°52.5'	80°06.5'	10-13-60	0052-0108	18	S.G.Sh.	78	84	--	10' scallop dredge
2320	27°52.5'	80°07'	10-17-60	0004-0034	19	S.Sh.	77	82	--	10' scallop dredge
2321	27°54'	80°06.5'	10-17-60	0100-0120	18	S.Sh.	77	82	--	10' scallop dredge
2322	27°52.5'	80°07'	10-17-60	0200-0220	18	S.Sh.	77	82	--	10' scallop dredge
2323	27°52.5'	80°08.5'	10-17-60	0250-0310	18	S.Sh.	77	82	--	10' scallop dredge
2324	27°52.5'	80°06'	10-17-60	0335-0405	18-16	S.G.	76	82	--	10' scallop dredge
2325	27°52.5'	80°06'	10-17-60	0417-0437	18-16	S.S.Sh.	76	82	--	10' scallop dredge
2326	27°52.5'	80°08'	10-17-60	0450-0520	16	S.G.Sh.	76	82	--	10' scallop dredge
2327	27°52.5'	80°06'	10-17-60	0535-0605	18	S.G.Sh.	78	82	--	10' scallop dredge
2328	27°54'	80°08'	10-17-60	0630-0700	17	S.G.Sh.	78	82	--	10' scallop dredge
2329	27°55'	80°08.5'	10-17-60	0708-0738	17-20	S.G.Sh.	80	82	--	10' scallop dredge
2330	27°55'	80°06'	10-17-60	0744-0814	20	S.Sh.	80	82	--	10' scallop dredge
2331	27°52.5'	80°06'	10-17-60	0913-0943	17-18	S.Sh.	82	82	--	10' scallop dredge
2332	27°50'	80°09'	10-17-60	1015-1045	14-15	S.Sh.	80	82	--	10' scallop dredge
2333	27°52.5'	80°07'	10-17-60	1150-1220	19	S.Sh.	80	82	--	10' scallop dredge
2334	27°53.5'	80°09.5'	10-17-60	1240-1300	18-17	S.Sh.	80	82	--	10' scallop dredge
2335	27°53'	80°09.5'	10-17-60	1315-1335	19	S.Sh.	80	82	--	10' scallop dredge
2336	27°53'	80°09.5'	10-17-60	1405-1430	19	S.Sh.	80	82	--	10' scallop dredge
2337	27°53'	80°09.5'	10-17-60	2215-2245	19	S.Sh.	77	72	--	10' scallop dredge
2338	27°53'	80°09.5'	10-18-60	1033-1103	19	S.Sh.	85	82	--	10' scallop dredge
2339	27°53'	80°09.5'	10-18-60	1013-1043	19	S.Sh.	90	82	--	10' scallop dredge
2340	27°53'	80°09.3'	10-19-60	1303-1333	19	S.Sh.	83	81	--	10' scallop dredge
2341	27°53'	80°09.3'	10-19-60	1203-1233	19	S.Sh.	83	81	--	10' scallop dredge
2342	27°53'	80°09.3'	10-19-60	1244-1314	19	S.Sh.	83	81	--	10' scallop dredge
2343	27°53'	80°09.3'	10-20-60	1108-1138	19	S.Sh.	87	82	--	10' scallop dredge
2344	27°53'	80°09.3'	10-20-60	1147-1218	19	S.Sh.	87	82	--	10' scallop dredge
2345	27°53'	80°09.3'	10-20-60	1228-1258	19	S.Sh.	87	82	--	10' scallop dredge
2346	27°53'	80°09.3'	10-21-60	1128-1158	19	--	--	82	--	10' scallop dredge
2347	27°53'	80°09.3'	10-21-60	1205-1235	19	S.Sh.	88	81	--	10' scallop dredge
2348	27°53'	80°09.3'	10-21-60	1245-1315	19	S.Sh.	88	82	--	10' scallop dredge
2349	27°53'	80°09.3'	10-21-60	1356-1356	19	S.Sh.	88	82	72	10' scallop dredge
2350	25°34.5'	80°05'	10-24-60	1635-1705	36	Spg.	78	82	--	8' scallop dredge
2351	25°32.8'	80°04.5'	10-24-60	1718-1748	36	Spg.	78	75	--	8' scallop dredge
2352	25°34.1'	80°05.5'	10-24-60	1843-1905	15	Spg.	78	75	--	8' scallop dredge
2353	25°31.3'	80°05.7'	10-24-60	1923-1938	15	--	78	75	--	8' scallop dredge
2354	25°17'	80°09.5'	10-24-60	2123-2153	27	--	78	75	--	40' flat trawl
2355	25°15.5'	80°10'	10-24-60	2218-2245	15	--	78	75	--	40' flat trawl
2356	25°17'	80°09.5'	10-24-60	2318-2355	25	--	78	75	--	41/47' 2-seam balloon trawl
2357	25°04'	80°11'	10-25-60	0142-0242	35-30	--	78	75	--	41/47' 2-seam balloon trawl
2358	25°01'	80°20'	10-25-60	0325-0425	23-19½	Spg.	78	83	--	41/47' 2-seam balloon trawl
2359	24°59.5'	80°21'	10-25-60	0530-0630	59-19	Spg.	78	83	--	40/45' 2-seam balloon trawl
2360	25°00'	80°20.5'	10-25-60	0728-0756	37	Spg.Co.	78	76	--	8' scallop dredge
2361	24°58'	80°22.5'	10-25-60	0823-0853	26-30	Co.Spg.	78	76	--	8' scallop dredge
2362	24°56'	80°22'	10-25-60	0957-1027	46	Spg.	78	75	--	8' scallop dredge
2363	24°53.5'	80°19.5'	10-25-60	1117-1148	75-69	Co.	84	75	--	8' scallop dredge
2364	24°59.5'	80°20.5'	10-25-60	1237-1257	36-35	Spg.	84	83	--	8' scallop dredge
2365	24°58'	80°21.5'	10-25-60	1315-1330	32-30	Spg.	84	83	--	8' scallop dredge
2366	24°59.5'	80°20.5'	10-25-60	1342-1357	31-35	Spg.Co.	86	83	--	8' scallop dredge
2367	24°59'	80°19'	10-25-60	1410-1425	35-39	Spg.Co.	80	83	--	8' scallop dredge
2368	24°59.5'	80°20'	10-25-60	1438-1508	39-46	Co.	80	83	--	8' scallop dredge
2369	25°01'	80°19.5'	10-25-60	1525-1555	46-45	Co.Spg.	84	83	--	8' scallop dredge
2370	24°56.5'	80°22.5'	10-25-60	1655-1726	40-41	Co.Sp.	84	83	--	8' scallop dredge
2371	24°55'	80°24.5'	10-25-60	1756-1826	50	--	80	83	--	8' scallop dredge
2372	24°51'	80°31'	10-25-60	1850-1930	50	--	80	83	--	Dip Station
2373	24°51.5'	80°34.5'	10-25-60	2028-2058	20	sft.M.	80	83	--	8' scallop dredge
2374	24°50.5'	80°37.5'	10-25-60	2118-2125	15	Co.Spg.	80	83	--	8' scallop dredge
2375	24°49'	80°38'	10-25-60	2150-2220	25	sft.M.	80	83	--	8' scallop dredge
2376	24°47.5'	80°40'	10-25-60	2242-2342	25	sft.M.	75	83	--	40/45' 2-seam balloon trawl
2377	24°49.5'	80°37.5'	10-26-60	0012-0113	21-20	sft.M.	75	83	--	40/45' 2-seam balloon trawl
2378	24°47'	80°41'	10-26-60	0135-0235	20-21	sft.M.	75	83	--	40/45' 2-seam balloon trawl
2379	24°45.5'	80°40'	10-26-60	0340-0440	30	M.Sh.	75	83	--	40/45' 2-seam balloon trawl
2380	24°44'	80°43.5'	10-26-60	0500-0600	30	--	86	83	--	41/45' 2-seam balloon trawl
2381	24°41'	80°48'	10-26-60	0646-0716	50-47	M.Rk.	--	83	--	8' scallop dredge
2382	24°42'	80°46.5'	10-26-60	0734-0804	45	--	80	83	--	8' scallop dredge
2383	24°43'	80°43.5'	10-26-60	0826-0900	48	M.	80	83	--	8' scallop dredge
2384	24°44.5'	80°40.5'	10-26-60	0927-0957	60	sft.M.	80	83	--	8' scallop dredge
2385	24°47.5'	80°38.5'	10-26-60	1034-1104	40	sft.M.	86	83	--	8' scallop dredge
2386	24°46'	80°41'	10-26-60	1127-1357	35	sft.M.	86	83	--	8' scallop dredge
2387	24°40'	80°41.5'	10-26-60	1300-1400	100	Rk.	86	83	--	8' scallop dredge
2388	24°43'	80°45'	10-26-60	1830-1930	40	M.	79	83	--	40/45' 2-seam balloon trawl
2389	24°45'	80°40.5'	10-26-60	1951-2051	45	M.	79	83	--	40/45' 2-seam balloon trawl
2390	24°42.5'	80°44'	10-26-60	2135-2235	50	--	75	83	--	40/45' 2-seam balloon trawl
2391	24°45'	80°40'	10-27-60	2310-0010	60	M.	81	83	--	40/45' 2-seam balloon trawl
2392	24°42.5'	80°43'	10-27-60	0035-0135	70	--	81	83	--	40/45' 2-seam balloon trawl
2393	24°44'	80°42'	10-27-60	0220-0420	45	--	80	83	--	40/45' 2-seam balloon trawl
2394	24°41.5'	80°43.5'	10-27-60	0510-0610	25	--	80	83	--	40/47' 2-seam balloon trawl
2395	24°40'	80°53'	10-27-60	0647-0747	35	--	80	83	--	40/47' 2-seam balloon trawl
2396	24°41'	80°52'	10-27-60	0835-0905	25	--	80	83	--	8' scallop dredge
2397	24°39.5'	80°55.5'	10-27-60	0938-1008	35	--	80	83	--	8' scallop dredge
2398	24°36'	80°58'	10-27-60	1017-1047	35	--	80	83	--	8' scallop dredge
2399	24°37'	81°00.5'	10-27-60	1058-1128	40	--	84	83	--	8' scallop dredge
2400	24°35'	81°05'	10-27-60	1156-1226	50	--	84	83	--	8' scallop dredge



Table 4.--M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used	
	Lat. N.	Long. W.					Air	Sur.	Bot.		
					Fathoms		° F.	° F.	° F.		
2401	24°34.5'	81°07'	10-27-60	1244-1314	50-30	M.	84	83	--	8' scallop dredge	
2402	24°35'	81°09'	10-27-60	1330-1400	30-25	Co.M.	84	84	--	8' scallop dredge	
2403	24°34.5'	81°09.5'	10-27-60	1428-1458	40	--	--	85	--	8' scallop dredge	
2404	24°34'	81°11.5'	10-27-60	1515-1545	45-50	--	--	84	85	--	8' scallop dredge
2405	24°31.5'	81°13'	10-27-60	1610-1640	75	--	--	84	84	--	8' scallop dredge
2406	24°31'	81°15.5'	10-27-60	1705-1745	75-100	Rk.	83	84	--	8' scallop dredge	
2407	24°32.5'	81°17.5'	10-27-60	1847-2047	40	M.	83	84	--	40/45' 2-seam balloon trawl	
2408	24°35'	81°11.5'	10-27-60	2122-2322	30	sft.M.	83	84	--	40/45' 2-seam balloon trawl	
2409	24°35'	81°07.5'	10-28-60	0055-0255	32-30	--	--	78	84	--	40/45' 2-seam balloon trawl
2410	24°34'	81°14'	10-28-60	0310-0510	30	--	--	78	84	--	40/45' 2-seam balloon trawl
2411	24°32'	81°21.5'	10-28-60	0535-0635	30-35	--	--	78	84	--	40/45' 2-seam balloon trawl
2412	24°31.5'	81°26.5'	10-28-60	0718-0748	35	--	--	78	83	--	8' scallop dredge
2413	24°30.5'	81°28'	10-28-60	0806-0837	40	--	--	78	83	--	8' scallop dredge
2414	24°29'	81°30'	10-28-60	0859-0929	50	--	--	78	83	--	8' scallop dredge
2415	24°26'	81°28'	10-28-60	1015-1030	95	Rk.	80	83	--	8' scallop dredge	
2416	24°18'	81°29'	10-28-60	1137-1203	125	Rk.	80	83	--	6' tumbler dredge	
2417	24°14.5'	81°24'	10-28-60	1310-1340	150-155	Co.	80	83	--	6' tumbler dredge	
2418	24°14.5'	81°24'	10-28-60	1412-1442	145-160	Co.Rk.	80	83	--	6' tumbler dredge	
2419	24°14.5'	81°24'	10-28-60	1610-1640	250	--	--	80	85	--	6' tumbler dredge
2420	24°14.5'	81°24.5'	10-28-60	1738-1938	250	--	--	80	84	--	40/45' 2-seam balloon trawl
2421	24°13'	81°24'	10-28-60	2122-2250	325	--	--	80	84	--	40/45' 2-seam balloon trawl
2422	24°12'	81°30.5'	10-29-60	0026-0226	375-350	--	--	78	83	--	6' tumbler dredge
2423	24°14.5'	81°23'	10-29-60	0327-0456	250-245	Rk.	78	83	--	6' tumbler dredge	
2424	24°14.5'	81°26.5'	10-29-60	0605-0713	150	--	--	78	83	--	6' tumbler dredge
2425	24°24'	81°59'	10-29-60	1339-1358	75	Rk. Co.	80	84	--	6' tumbler dredge	
2426	24°23.5'	81°59'	10-29-60	1515-1525	120-115	Rk.	80	83	--	6' tumbler dredge	
2427	24°20'	82°04'	10-29-60	1640-1700	120	--	--	85	83	--	6' tumbler dredge
2428	24°20'	82°44'	10-29-60	2205-2305	95	M.Sb.	85	81	--	6' tumbler dredge	
2429	24°22'	82°53'	10-30-60	0000-0030	60	Sb.	78	81	--	8' scallop dredge	
2430	24°24'	82°58'	10-30-60	0046-0115	60-50	--	--	78	81	--	8' scallop dredge
2431	24°25'	83°01'	10-30-60	0133-0203	50	--	--	78	81	--	8' scallop dredge
2432	24°27'	83°04'	10-30-60	0218-0248	40	Co.	78	81	--	8' scallop dredge	
2433	24°28'	82°58'	10-30-60	0320-0350	30	Spg.Co.	77	81	--	8' scallop dredge	
2434	24°24'	82°55'	10-30-60	0440-0510	40-42	Spg.	77	82	--	8' scallop dredge	
2435	24°29.5'	83°13'	10-30-60	0658-0728	35-33	--	--	77	82	--	8' scallop dredge
2436	24°29.5'	82°13.5'	10-30-60	0748-0830	33	--	--	77	82	--	8' scallop dredge
2437	24°51'	82°41.5'	10-30-60	--	17	Rk.	87	82	--	Dip net and hand line station	
2438	24°51'	82°39'	10-30-60	1815-1915	18	M.	87	84	--	60/80' 2-seam balloon trawl	
2439	24°51'	82°37.5'	10-30-60	1929-2129	18-15	--	--	87	84	--	60/80' 2-seam balloon trawl
2440	24°45'	82°38'	10-30-60	2148-0048	15	Co.M.Sb.	78	83	--	60/80' 2-seam balloon trawl	
2441	24°51'	82°25'	10-31-60	0110-0410	15-17	M.S.	78	83	--	60/80' 2-seam balloon trawl	
2442	24°00'	80°27'	11-2-60	2107-2205	12	--	--	77	83	--	40/45' 2-seam balloon trawl
2443	24°08'	80°09'	11-3-60	0140-0210	180-200	Rk.	77	83	--	6' tumbler dredge	
2444	24°11'	79°51'	11-3-60	0400-0445	250	--	--	77	83	--	6' tumbler dredge
2445	24°08'	80°08'	11-3-60	0628-0706	138	Co.Rk.	77	83	--	6' tumbler dredge	
2446	24°08'	80°09.5'	11-3-60	0742-0808	100-22	--	--	77	83	--	6' tumbler dredge
2447	24°00.5'	80°25'	11-3-60	1014-1022	125-90	Sb.	77	83	--	6' tumbler dredge	
2448	24°00'	80°29'	11-3-60	1123-1253	270	--	--	83	--	40/45' 2-seam balloon trawl	
2449	23°55'	80°34'	11-3-60	1340-1550	270	--	--	81	83	--	40/45' 2-seam balloon trawl
2450	23°42'	80°25'	11-3-60	1940-2040	10	--	--	--	83	--	Dip station
2451	23°30'	79°33'	11-4-60	2017-2022	5-6	S.	77	83	--	40' 2-seam balloon trawl	
2452	23°30'	79°04'	11-5-60	0130-0200	125-130	--	--	77	83	--	6' tumbler dredge
2453	23°34'	79°02.5'	11-5-60	0248-0335	160-180	--	--	77	83	--	6' tumbler dredge
2454	23°34'	79°04'	11-5-60	0420-0535	210-240	--	--	75	83	--	6' tumbler dredge
2455	23°34.5'	79°03'	11-5-60	0645-0745	90-103	--	--	76	83	--	6' tumbler dredge
2456	23°39.5'	79°06'	11-5-60	0830-1030	150	Gra.	76	83	--	40' balloon trawl	
2457	23°34.5'	79°07'	11-5-60	1142-1342	250	--	--	82	83	--	40' balloon trawl
2458	23°40'	79°18'	11-5-60	1600-1900	290	--	--	--	83	--	40/45' 2-seam balloon trawl
2459	23°47'	79°20'	11-5-60	1938-2115	290	--	--	77	83	--	Dip station
2460	23°35'	79°34.5'	11-6-60	0012-0042	130-100	S.Sb.	78	83	--	6' tumbler dredge	
2461	23°35'	79°33'	11-6-60	0155-0230	180-160	M.	78	83	--	6' tumbler dredge	
2462	23°37'	79°34'	11-6-60	0330-0445	200-225	Co.	76	83	--	6' tumbler dredge	
2463	23°38'	79°33'	11-6-60	0548-0710	275	--	--	76	83	--	6' tumbler dredge
2464	23°34'	79°05'	11-6-60	1141-1341	150	--	--	86	84	--	40/45' 2-seam balloon trawl
2465	23°40'	79°04'	11-6-60	1523-1534	75-90	M.	86	83	--	6' tumbler dredge	
2466	23°40.2'	79°04'	11-6-60	1610-1640	75-90	Co.	86	83	--	6' tumbler dredge	
2467	23°40.2'	79°06.5'	11-6-60	1707-1807	125	--	--	86	83	--	40/45' 2-seam balloon trawl
2468	23°52'	79°11'	11-6-60	1940-2140	210-200	--	--	78	83	--	40/45' 2-seam balloon trawl
2469	23°59'	79°17.5'	11-6-60	2253-0153	290-300	--	--	76	83	--	40' 2-seam balloon trawl
2470	24°25'	79°13'	11-7-60	0455-0625	125	--	--	76	83	68.2	40/45' 2-seam balloon trawl
2471	24°34'	79°16'	11-7-60	0847-1047	150	--	--	76	82	--	40/45' 2-seam balloon trawl
2472	24°40'	79°16'	11-7-60	1130-1330	200	--	--	78	82	--	40/45' 2-seam balloon trawl
2473	24°45'	79°18'	11-7-60	1508-1808	300	--	--	--	82	62	40/45' 2-seam balloon trawl
2474	24°56'	79°18'	11-7-60	2005-2305	300	--	--	73	82	--	40' 2-seam balloon trawl
2475	24°48'	79°17'	11-8-60	0030-0330	300	--	--	70	82	--	40' 2-seam balloon trawl
2476	25°22.5'	79°14.5'	11-8-60	0859-1029	100	--	--	70	82	67.46	40' 2-seam balloon trawl
2477	25°13'	79°13'	11-8-60	--	200	--	--	77	81	77.7	40' 2-seam balloon trawl
2478	25°22'	79°19'	11-8-60	1558-1835	300	--	--	73	81	--	40' 2-seam balloon trawl
2479	25°29.5'	79°19'	11-9-60	2318-0118	200	--	--	73	81	--	40/45' 2-seam balloon trawl
2480	26°06.5'	79°10'	11-9-60	0640-0740	122-125	Co.	72	80	--	6' tumbler dredge	
2481	26°08'	79°11.5'	11-9-60	0855-1025	200	--	--	72	81	--	6' tumbler dredge
2482	26°07'	79°12'	11-9-60	1252-1452	200	M.	82	81	--	40/45' 2-seam balloon trawl	
2483	26°25.5'	79°01'	11-9-60	1817-1950	300	M.	82	81	--	40/45' 2-seam balloon trawl	
2484	26°39'	79°30'	11-10-60	0108-0220	400	--	--	--	81	--	40/45' 2-seam balloon trawl
2485	25°46.5'	79°18.5'	11-10-60	--	25	Rk. Co.	78	81	--	6' tumbler dredge	
2486	25°49'	79°18'	11-10-60	1008-1012	25-60	--	--	78	81	--	6' tumbler dredge
2487	25°48'	79°18.5'	11-10-60	1040-1057	115-75	--	--	78	81	--	6' tumbler dredge
2488	25°41'	79°20'	11-10-60	1220-1252	115-45	Co.	93	81	81.32	6' tumbler dredge	
2489	25°43'	79°20'	11-10-60	1342-1415	165-75	--	--	93	82	--	6' tumbler dredge
2490	25°39'	79°50'	11-10-60	1815-1920	220	--	--	--	81	79	Dip station
2491	25°45'	79°58.5'	11-10-60	2035-2110	150	--	--	78	81	--	Dip station
2492	25°45'	79°58.5'	11-10-60	2123-2223	150	--	--	78	81	67.5	6' tumbler dredge
2493	25°45'	79°58.5'	11-10-60	2342-0042	150	--	--	79	80	--	6' tumbler dredge
2494	27°01'	79°59.5'	11-12-60	1818-1848	17	--	--	75	79	--	8' scallop dredge
2495	27°03.5'	80°00'	11-12-60	1905-1935	20	S.	75	79	--	8' scallop dredge	
2496	27°01'	79°58.5'	11-12-60	1949-2219	23-25	S.	75	79	--	8' scallop dredge	
2497	27°03'	79°58.5'	11-12-60	2045-2115	40	--	--	75	79	--	8' scallop dredge
2498	27°03'	79°58.5'	11-12-60	2134-2204	40	--	--	75	79	--	8' scallop dredge
2499	27°05.5'	80°02'	11-12-60	2239-2309	14	S.	75	79	--	8' scallop dredge	
2500	27°07'	80°01.5'	11-12-60	2330-2400	18	S.	75	79	--	8' scallop dredge	

Table 4.--M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
						Fathoms	° F.	° F.	° F.	
2501	27°08'	80°00.5'	11-12-60	0020-0050	21-22	S.	75	79	--	8' scallop dredge
2502	27°09'	80°00.5'	11-13-60	0110-0140	25	--	75	79	--	8' scallop dredge
2503	27°11.5'	80°02'	11-13-60	0222-0252	19	G.S.	75	79	--	8' scallop dredge
2504	27°13'	80°02'	11-13-60	0312-0342	16	--	75	79	--	8' scallop dredge
2505	27°14.5'	80°03.2'	11-13-60	0400-0430	14	--	75	79	--	8' scallop dredge
2506	27°15.5'	80°02.2'	11-13-60	0453-0538	20-24	S.G.	75	79	--	8' scallop dredge
2507	27°14'	80°01.5'	11-13-60	0551-0636	24-28	--	76	79	--	8' scallop dredge
2508	27°14.5'	80°01.5'	10-13-60	0700-0730	21	G.	75	79	--	8' scallop dredge
2509	27°17'	80°03'	11-13-60	0818-0848	17	G.	76	79	--	8' scallop dredge
2510	27°18.5'	80°02'	11-13-60	0906-0936	19	G.	76	79	--	8' scallop dredge
2511	27°19.5'	80°01.5'	11-13-60	0906-0936	20-21	G.	76	79	--	8' scallop dredge
2512	27°21'	80°03'	11-13-60	1048-1117	15	G.	81	79	--	8' scallop dredge
2513	27°50'	80°09'	11-13-60	1525-1555	18	G.	81	79	--	8' scallop dredge
2514	27°52'	80°07'	11-13-60	1700-1730	18	S.Sh.	75	79	--	8' scallop dredge
2515	27°52'	80°07'	11-13-60	1742-1812	18	S.Sh.	75	79	--	8' scallop dredge
2516	27°52'	80°09'	11-14-60	0005-0035	18-19	S.Sh.	76	79	--	8' scallop dredge
2517	27°52'	80°09'	11-14-60	0046-0114	19	S.Sh.	76	78	--	8' scallop dredge
2518	27°52'	80°09'	11-14-60	0748-0805	--	S.Sh.	74	78	--	8' scallop dredge
2519	27°52'	80°09'	11-14-60	1300-1330	19	S.Sh.	90	77	--	8' scallop dredge
2520	27°52'	80°09'	11-14-60	1347-1412	19	S.Sh.	90	78	--	8' scallop dredge
2521	27°52'	80°09'	11-14-60	1430-1500	19	S.Sh.	90	77	76.28	8' scallop dredge
2522	28°45.5'	80°07.5'	11-15-60	0735-0820	37	S.	73	78	--	8' scallop dredge
2523	28°53'	80°05'	11-15-60	0919-1019	49	--	73	77	--	8' scallop dredge
2524	32°58'	78°58'	12-2/3-60	2119-0720	12	Sh.Co.	--	63	--	8' scallop dredge
2525	33°01'	78°49'	12-3-60	0856-0956	10-13	S.Sh.	64	62	64.85	40/60' 2-seam fish trawl
2526	33°00'	78°37.5'	12-3-60	1107-1207	13-14	S.	64	62	68.75	40/60' 2-seam fish trawl
2527	32°53'	78°53'	12-3-60	1337-1437	20	S.	64	71	70.8	40/60' 2-seam fish trawl
2528	32°47.5'	78°19.5'	12-3-60	1642-1753	30	--	53	73	--	60/80' 2-seam balloon trawl
2529	32°40'	78°25'	12-3-60	1920-2120	95	--	53	73	--	Dip station
2530	32°37.5'	78°23'	12-4-60	0630-0700	90	Rk.	55	73	--	6' tumbler dredge
2531	32°44'	78°32.5'	12-4-60	1005-1035	23	S.Sh.	55	73	--	50/70' 2-seam balloon trawl
2532	32°49'	78°32'	12-4-60	1124-1220	22	--	58	72	--	50/70' 2-seam balloon trawl
2533	32°55'	78°31.5'	12-4-60	1335-1445	21	S.Sh.	58	68	69.8	50/70' 2-seam balloon trawl
2534	32°51'	78°01'	12-4-60	1845-2145	--	S.	60	74	--	Dip station w/500 watt light
2535	32°51'	78°01'	12-5-60	0630-0700	85	S.	62	74	--	6' tumbler dredge
2536	33°00'	78°02'	12-5-60	0907-1007	30-28	S.Sh.	64	74	75.2	50/70' 2-seam fish trawl
2537	33°08'	77°46'	12-5-60	1304-1404	30-40	S.	80	74	--	50/70' 2-seam fish trawl
2538	33°07'	77°40'	12-5-60	1522-1624	48	S.Sh.	78	75	--	50/70' 2-seam fish trawl
2539	33°03.5'	77°33.5'	12-5-60	1804-1834	100	S.Sh.	64	76	--	6' tumbler dredge
2540	33°12'	77°14'	12-5-60	2100-2400	110	--	64	77	--	Dip station and larval trawl
2541	33°12'	77°14'	12-6-60	0700-0730	105-92	M.S.	65	77	--	6' tumbler dredge
2542	33°24.5'	77°12.5'	12-6-60	0928-1028	22-24	S.Sh.	72	76	--	50/70' 2-seam fish trawl
2543	33°26.5'	77°13'	12-6-60	1122-1224	22	S.Sh.	86	75	74.8	50/70' 2-seam fish trawl
2544	33°19'	77°19'	12-6-60	1354-1519	17	S.Sh.	86	76	--	50/70' 2-seam balloon trawl
2545	33°12.5'	77°26'	12-6-60	1709-1810	27	S.Sh.	65	77	--	50/70' 2-seam balloon trawl
2546	33°11'	77°26'	12-6-60	1835-2100	27	--	65	77	--	Dip station
2547	33°11'	77°26'	12-7-60	0700-0735	27-57	Sh.	67	77	--	6' tumbler dredge
2548	30°00'	78°59.5'	12-7-60	1649-1755	16	S.Sh.	--	66	68	50/70' 2-seam fish trawl
2549	32°52'	79°14'	12-8-60	0700-0730	8	S.Sh.	56	56	--	14-tooth clam dredge
2550	32°58'	79°16.5'	12-8-60	0817-0847	6	M.Sh.	56	56	59.9	14-tooth clam dredge
2551A	32°55.5'	79°19.5'	12-8-60	0904-1016	6	M.Sh.	56	55	--	40' 2-seam shrimp trawl
2551B	32°55.5'	79°19.5'	12-8-60	0904-0934	6	M.S.	56	55	--	14-tooth clam dredge
2552	32°55.5'	79°21'	12-8-60	--	6	M.Sh.	56	55	--	14-tooth clam dredge
2553	32°55'	79°22.5'	12-8-60	1025-1117	6	S.Sh.	58	55	--	40' 2-seam shrimp trawl
2554	32°56'	79°30'	12-8-60	1145-1215	4	M.Sh.	56	56	--	14-tooth clam dredge
2555	32°52'	79°30'	12-8-60	1230-1300	4	M.Sh.	56	56	--	14-tooth clam dredge
2556	32°47.5'	79°35'	12-8-60	1322-1352	5	--	56	54	--	14-tooth clam dredge
2557	32°47.5'	79°37'	12-8-60	1400-1430	5	--	--	54	--	14-tooth clam dredge
2558	32°47.5'	79°38.5'	12-8-60	1445-1515	5	--	56	54	--	14-tooth clam dredge
2559	32°40'	79°37.5'	12-8-60	1558-1602	6	--	55	54	--	14-tooth clam dredge
2560	32°37'	79°51'	12-10-60	1227-1257	5	S.Sh.	54	54	--	14-tooth clam dredge
2561	32°33.5'	79°55.5'	12-10-60	1321-1351	5	--	54	54	--	14-tooth clam dredge
2562	32°33'	79°57'	12-10-60	1426-1456	4½	--	54	51	--	14-tooth clam dredge
2563	32°32'	80°03'	12-10-60	1520-1550	4½	--	50	53	--	14-tooth clam dredge
2564	32°30.5'	80°07'	12-10-60	1616-1646	4½	--	50	53	--	14-tooth clam dredge
2565	32°28'	80°11'	12-10-60	1709-1739	5	--	50	53	--	14-tooth clam dredge
2566	32°26'	80°15'	12-10-60	1802-1832	5	--	53	53	55.4	14-tooth clam dredge
2567	32°21.5'	80°16.5'	12-10-60	1857-1927	4½	--	53	52	--	14-tooth clam dredge
2568	32°18'	80°21'	12-10-60	--	5	S.Sh.	53	53	--	14-tooth clam dredge
2569	32°15.5'	80°26.5'	12-10-60	2047-2117	5	S.Sh.	55	53	--	14-tooth clam dredge
2570	32°11'	80°29'	12-10-60	2139-2140	6	S.Sh.	55	54	--	14-tooth clam dredge
2571	32°07'	80°32'	12-10-60	2220-2250	7	S.Sh.	55	54	--	14-tooth clam dredge
2572	32°04'	80°37.5'	12-10-60	2319-2349	7	S.	56	54	--	14-tooth clam dredge
2573	31°58.5'	80°34.5'	12-11-60	0035-0105	4½	M.Sh.	58	54	--	14-tooth clam dredge
2574	31°56.5'	80°48.5'	12-11-60	0132-0202	4-4½	M.Sh.	58	54	--	14-tooth clam dredge
2575	31°52'	80°52'	12-11-60	0230-0300	5-4½	--	58	54	--	14-tooth clam dredge
2576	30°50.5'	80°54.5'	12-11-60	0313-0343	4½	M.	57	54	--	14-tooth clam dredge
2577	31°47.5'	80°56.5'	12-11-60	0402-0432	4	M.S.	56	54	--	14-tooth clam dredge
2578	31°45'	80°45'	12-11-60	0603-0703	8-10	S.Sh.	72	55	--	40/45' 2-seam balloon trawl
2579	31°46'	80°33.5'	12-11-60	0820-0920	10-12	S.Sh.	60	61	--	40/45' 2-seam balloon trawl
2580	31°48.5'	80°21'	12-11-60	1038-1138	13	S.Sh.	72	66	--	40/45' 2-seam balloon trawl
2581	31°58.5'	80°09.5'	12-11-60	1255-1355	14	S.Sh.	72	68	--	40/45' 2-seam balloon trawl
2582	31°55'	78°05'	12-14-60	0633-1200	370	--	59	77	--	50' midwater trawl
2583	32°11'	77°24'	12-14-60	1335-1755	425	--	54	77	--	50' midwater trawl
2584	32°11'	77°22'	12-15-60	1844-0607	425	--	59	77	--	50' midwater trawl





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